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Q. DAVID BOWERS

Second National Bank Bldg.

Wilkes-Barre, Penna.

1955

TO

James S. Ruddy
257 Main St.

Johnson City, N.Y.

FROM

James S. Ruddy
257 Main St.

Johnson City, N.Y.

TO Q. David Bowers

Second Nat'l Bank Bldg
Wilkes-Barre.

FROM

Q. David Bowers

3/22/55 Second National Bank Bldg.
Wilkes-Barre, Pa.

To

James S. Ruddy
257 Main St.

Johnson City, N.Y.

FROM

James S. Ruddy
257 Main St.

Johnson City, N.Y.

Coin

Coin

MOSS

MOSS

Moss 1/4 & 1/4
annotated by Q.D.B. -
notes for new
Miss. test.

Coin - Ut. section
Annotated by
Walter H. Breen
Box 1024 NYC 17

Examined and Found to be
Correct by

Frank H. Kendall,
Alameda, Calif. 8-23-58

TO

Empire Coin Co. Inc.
252 Main St.
Johnson City, N.Y.

4-3-58

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THE STATE COINAGE OF CONNECTICUT

DESCRIPTIVE LIST OF VARIETIES

BY HENRY C. MILLER

Collectors of American Colonial coins have found considerable difficulty in arranging the copper issues of the State of Connecticut for the years 1785 to 1788. Mr. Crosby's "Early Coins of America," published in 1875, contains a partial list of types, and Dr. Hall in 1892 furnished a description of the then known varieties and combinations of the year 1787. Their work, excellent as far as it goes, only partly covers the ground. Some corrections and changes are called for and new material has resulted from later researches.

At the request of many collectors it has been decided to publish the present revised catalogue of varieties. The object is twofold: first, to furnish a detailed description, as nearly complete as possible, of all known dies and their combinations; second, to simplify and systematize the arrangement so that any specimen may be readily placed. Wherever available free use has been made of the data given by Crosby, Hall and Hays, and valuable assistance has been rendered by other numismatists. Especial acknowledgments are due to Messrs. Frederick A. Canfield of Dover, N. J., Hillyer Ryder of Carmel, N. Y., David Prosky of New York City, and Dr. Geo. R. Ross of Lebanon, Pa.; also to Howland Wood of the American Numismatic Society for important aid in preparing the list for publication.

In the year 1739 a petition was presented by John Read of Boston to the Governor and General Court at New Haven, asking aid in procuring a patent from the Crown to coin copper for circulation in Connecticut. It is conjectured that this application had some connection with the operations of John Higley of Granby, who, without official authority, for several years had been coining copper three-pence on his own account. No action appears to have been taken in regard to this petition and for nearly half a century the currency of Connecticut consisted almost entirely of depreciated paper with a scanty supply of English half-pence.

By act of the General Assembly of Connecticut in October, 1785, authority was granted to Samuel Bishop, Joseph Hopkins, James Hillhouse and John Goodrich to establish a mint for the manufacture of copper coins. The dies were made by Abel Buel of New Haven, but unauthorized issues of light weight and inferior workmanship circulated freely together with the legalized coins. The historic details in regard to the Connecticut coinage are given at length in Crosby's "Early Coins of America."

One general design was employed for the entire four years.

Obverse — Laureated head with bust either mailed or draped.

Legend — AUCTORI CONNEX

Reverse — The goddess of Liberty, seated, facing left, an olive branch in her right hand, staff surmounted by liberty cap in her left.

Legend — INDE ET LIB

Date in exergue. Borders milled or serrated. Edges plain.

The coins of Connecticut vary greatly in weight. Specimens are found weighing not more than 108 grains, while others range from 168 to 184 grains. In some cases the lighter coins are probably counterfeits of the time, but many of light weight, undoubtedly authentic, are from the same dies as the heavier ones. In fact the weight and character of the planchet seems to have been regarded of little importance.

Overstrikes are frequent, resulting sometimes in a curious mixing of legends. For this purpose the Nova Constellatio and New Jersey issues appear to have been especially favored.

Owing to the scarcity of Coppers in the Colonial period from 1783 to the establishment of the United States mint, the country was flooded with a quantity of counterfeit and light weight British half-pence. Some of these were sent from abroad, but the close resemblance of others to the Connecticut coins is fairly conclusive evidence that many of these half-pence were struck in that State. As the legends on these pieces bear no reference to Connecticut they are not included in this list. On the other hand no attempt has been made to decide on the legality of any of the coins with the legend AUCTORI CONNEX. They were all made at the same epoch, some by fairly competent hands, others evidently by novices in die-sinking.

According to our list the number of dies is as follows: Obverse 199, Reverse 186. Of 1785 there 21 obverse and 20 reverse dies; of 1786, 21 obverse and 20 reverse; 1787 affords the greatest number, 129 obverses and 124 reverses, while 1788 gives us only 28 obverses and 20

reverses. In this enumeration Crosby's obverses 23 and 35 are not included. No authentic specimens of these numbers have been located, and it is altogether probable that his descriptions of them were made from worn or imperfect pieces of other types. As the evidence against them is of course purely negative, these numbers have been retained for the present in the type-tables, but excluded from the list of combinations.

On account of the marked differences in punctuation and in the ornamental devices on many of the dies, together with the curious blunders in the spelling of the legends, this series affords a fertile and most interesting field for the collector of varieties.

It has seemed best, as far as possible, to retain the obverse types of Crosby and Hall, but a simpler method of denoting the reverses has been adopted. Obverse varieties of types 33 and 37 of 1787 evidently were numbered by Dr. Hall mostly in the order in which he found them. As these varieties are numerous it requires more patience than most collectors possess to locate a specimen according to Hall's list. It is believed that the more systematic method here employed will render the task much easier.

The question of rarity is one that admits of some difference of opinion. The degrees given by Crosby in many cases require modification. From the personal examination of many thousands of coins and the conclusions of active collectors it may be assumed that the estimates here given are approximately correct. Varieties marked C, R¹ and R² may generally be procured in good condition; those of R³, R⁴ and R⁵ are much harder to find, while specimens of R⁶, even when poor, are seldom obtainable. In fact a number of the varieties of R⁶ are described from a single piece, the only one known. So many of the Connecticuts were weakly and imperfectly struck that really fine, well-centered pieces of all but a very few of the types are decidedly rare.

While the table of combinations is the most comprehensive one yet published it is, of course, possible that from time to time a few additional mmlings may be found. Such pieces may safely be considered of the highest rarity.

For the convenience of those familiar with Dr. Hall's descriptions his corresponding numbers of 1787 are given in parallel columns.

TABLE OF TYPES

1785 — OVERSE

Type	Head Facing	Legend and Punctuation	No. of Dies	With Reverse
1	Right	AUCTORI.	CONNEC. 1	E
2	"	AUCTORI: (Lower dot of 1st colon clear of head)	CONNEC: 2	A
3	"	AUCTORI: (Lower dot of colon close on head)	CONNEC: 5	A, B, F, L
4	"	AUCTORI: (Lower dot of colon partly on head)	CONNEC: 4	A, C, D, F
5	"	AUCTORI: (Lower dot of colon half on head)	CONNEC: 2 1	F
6	"	AUCTORI: (Colon and 1 part on head)	CONNEC: 5	A, F, G, I, K, M
7	Left	AUCTORI	CONNEC 2	D
8	"	AUCTORI:	CONNEC: 1	D

1786 — OVERSE

Type	Head Facing	Bust	Legend and Punctuation	No. of Dies	With Reverse
1	Right	Mailed	AUCTORI	CONNEC 1	A
2	"	"	AUCTORI.	CONNEC. 2	A, D
3	"	"	AUCTORI:	CONNEC: 1	D
4	Left	"	AUCTORI	CONNEC 2	G, R
5	"	"	AUCTORI:	CONNEC: 1 3	B, C, F, G, H, I, L, M, N, O, P, Q, R
6	"	Draped	AUCTORI:	CONNEC: 1	K
7	"	"	AUCTORI: *	* CONNec: *	K
8	"	Mailed	AUCTORI:	CONNec: 1	O

* Nil. & Supra. t: 15 vnt
 $5^{12} = 5^2$ $5^1 = 5^{12}$ (miles)

1785 — REVERSE

Type	Legend and Punctuation		No. of Dies	With Obverse	
A	INDE :	Shield (GV = Gr. 1st)	ETLIB :	4	2, 3, 4, 6
B	INDE : †	all GV	ETLIB :	1	3
C	INDE : ⋮ ⋮	GV	ETLIB :	1	4
D	INDE : ⋮ ⋮	GV (on 11 7 th D)	ETLIB :	1	4, 7, 8
E	INDE : ⋮ ⋮		ETLIB : ⋮	1	1
F	INDE : ⊕	all GV	ETLIB :	5	3, 4, 5, 6
G	INDE : ⊕ ⊕	GV (on G ²)	ET LIB :	2	6
H	INDE : ⋮		ET • LIB :	3	4, 5
I	INDE : ⋮		ETLIB :	1	6
K	INDE : ⋮	GV?	ETLIB :	2	3, 6
L	INDE : ⋮	GV	ETLIB :	1	3
M	INDE : ⊕		ET LIB ⊕	1	6

1786 — REVERSE

Type	Legend and Punctuation		No. of Dies	With Obverse	
A	ET LIB	GV	INDE	1	1, 2
B	INDE		ET LIB	2	5
C	INDE		ET LIB :	1	5 (?)
D	INDE .		ET LIB .	4	2, 3
E	INDE : ⋮ <u>See I</u>		ET LIB :	1	5 (?)
F	INDE : -:-		ET LIB :	1	5
G	INDE : -:-		ET • LIB :	1	4, 5
H	INDE : <u>see S & P</u>		ET • LIB :	2	5
I	INDE : ⋮		ET • LIB :	1	5
K	-:- INDE : -:-		-:- ET - LIB :	1	6, 7
L	INDE : ≡		ET - LIB :	1	5
M	INDE ⋮		ET LIB	1	5
N	INDE : -:-:-		ET • LIB :	1	5
O	INDE : ⋮⋮		ET LIB :	2	5
P	INDE : <u>see S & H</u>		ET - LIB :	1	5
Q	INDE : <u>⋮</u> <u>⋮</u> (er d i)		ET - LIB :	1	5
R	INDE : ⋮	GV	ET - LIB :	1	4, 5
S	INDE: (Sword held & guard under Lib.'s elbow)		ET - LIB :	1	5

1787 — OBERVERSE

Type	Head Facing	Bust	Legend and Punctuation		No. of Dies	With Reverse
* 1	Right	Mailed	AUCTORI	CONNEC	4	A, C, L, VV, WW
2	Left	"	AUCTORI	CONNEC	1	B
3	"	"	AUCTORI	CONNEC .	1	G
4	"	"	AUCTORI .	CONNEC .	1	L
5	"	"	. AUCTORI .	. CONNec .	1	P
6	"	"	. AUCTORI .	. CONNec .	2	M. MARRIOTT M.J. 17
7	"	"	AUCTORI :	CONNec :	1	I
8	"	"	AUCTORI : ∴	∴ CONNec : ∴	1	N, O
9	"	"	x AUCTORI +	x x CONNec x	1	D, E, R
10	"	"	+ AUCTORI x x	+ + CONNec +	1	E
11	"	"	* AUCTORI *	* CONNec *	3	E, K
12	"	"	AUCTORI . *	CONNec . *	1	Q
13	"	"	AUCTORI *	* CONNec *	1	D
14	"	"	→ AUCTORI ←	→ → CONNec ←	1	H
15	"	"	* AUCTORI *	* * CONNec *	1	F, R, S
16	"	Draped	AUCTORI :	CONNec :	6	l, m, n, p, u, NN
17	"	"	AUCTORI :	- + - CONNec :	1	g
18	"	"	AUCTORI : +	+ CONNec	1	g
19	"	"	AUCTORI : +	+ CONNec :	1	g
20	"	"	AUCTORI : *	* CONNec :	1	a
21	"	"	AUCTORI : x	- + - CONNec : x	1	DD
22	"	"	AUCTORI : *	+ CONNec : x	1	g
23	"	"	AUCTORI : + -	- + - CONNec : - + -	?	?
24	"	"	- + - AUCTORI :	- + - CONNec :	1	g, FF
25	"	"	* AUCTORI : x	* CONNec :	1	b, m
26	"	"	* AUCTORI :	x CONNec : x	1	a, kk, AA
27	"	"	+ AUCTORI : x	x CONNec : x	1	a
28	"	"	AUCTORI : *	* CONNec :	1	m, n, o
29	"	"	AUCTORI : *	* CONNec : *	2	N, n, o, p, aa
30	"	"	AUCTORI : *	* CONNec : *	1	X, hh
31	"	"	* AUCTORI : *	* CONNec :	2	r, gg
+ 32	"	"	* AUCTORI . *	* CONNec . *	29	X, Z, aa, F
33	"	"	* AUCTORI : *	* CONNec : *	46	{ T, W, Z, l, q, r, s, ff, gg, hh, II, KK, SS
34	"	"	AUCTORI : ←	→ CONNec : ←	2	k, ff
35	"	"	AUCTORI : ←	→ CONNec : *	?	
See 56 - 36	"	"	→ AUCTORI : ←	→ CONNec :	1	k, l, ff
37	"	"	→ AUCTORI : ←	→ CONNec : ←	15	{ B, e, h, i, k, cc, ff, HH, LL, RR, TT
38	"	"	AUCTORI :	+ CONNec : x	1	l, GG
39	"	"	→ AUCTORI : ←	→ CONNec : ←	2	h, ee, ff
40	"	"	AUCTORI *	* CONNec	1	N, kk
41	"	"	* AUCTORI : *	* CONNec :	1	ii
42	"	"	* AUCTORI :	* CONNec . *	1	o, kk
43	"	"	* AUCTORI . *	* CONNec . *	2	Y, X
44	"	"	* AUCTORI :	* CONNec : *	1	W, Z
45	"	"	- x - AUCTORI : - + -	- x - CONNec : - + -	1	CC
46	"	"	* AUCTORI : x -	- x - CONNec : - x -	1	BB
47	"	"	* AUCTORI : - x -	- x - CONNec :	1	a
48	"	"	→ AUCTORI : ←	→ → CONNec : ←	1	g
49	"	"	* AUCTORI : *	* * CONNec : *	1	Z

+ 34 = 170 1'

1787 — REVERSE

Type	Legend and Punctuation	Bravo WE - 1	No. of Dies	With Obverse
A	ETLIB	INDE	1	1
B	INDE ET	LIB	WE 1	2, 37
C	INDE • ET	LIB	1	1
D	+ INDE + ET + +	+ LIB + +	WE 1	9, 13
E	* INDE * ET *	* LIB * *	W 1	9, 10, 11
F	* INDE * ET * *	* LIB * *	1	15, 50, 51 32
G	INDE * ET	LIB *	1	3, 52
H	INDE • ET	> LIB. <<	WE 1	14
I	INDE : •	ET LIB.	1	7
K	* INDE *	* ET LIB *	WE 1	11
L	INDE •	ET • LIB •	1	1, 4
M	INDE : * *	* ET • LIB :	1	6
N	INDE * *	* ETLIB *	1	8, 29, 40
O	* INDE : * *	* ETLIB : *	1	8
P	• IN DE •	ET LIB •	WE 1	5
Q	* IN DE •	ETLIB • *	WE 1	12
R	+ IND × × + ET +	× + + LIB + + ×	WE 1	9, 15
S	* INDL * ET *	* LIB *	1	15
T	* INDE : * *	* ETLIB : *	2	33
V	* INDE . * *	* ET LIB •	?	?
W	* INDE : * *	* ETLIB :	6	33, 44
X	* INDE . * *	* ETLIB . *	7	30, 32 4
Y	* INDE . * - * *	* ETLIB . *	1	43
Z	* INDE : * *	* ETLIB : *	24	32, 33, 44, 49
a	* INDE : - + - - + -	- + - ETLIB :	3	20, 26, 27, 29, 47
b	* INDE : - + - - + -	+ - ETLIB :	1	25
c	+ - INDE : - + - - + -	- + - ETLIB :	?	?
d	* INDE : +	+ ETLIB :	?	?
e	+ INDE : <<<	+ ETLIB : <<< ET LIB	1	37
f	- + - INDE : + +	- + - ET - LIB :	?	?
g	- + - INDE : - + - - + -	- + - ET - LIB :	5	17, 18, 19, 22, 24, 48
h	+ INDE : <<<	× ET - LIB :	2	37, 39
i	+ INDE : <<<	// ET - LIB : ×	1	37
k	// INDE : <<<	// ET - LIB :	5	34, 36, 37 37
l	<<< INDE : <<<	<<< ET - LIB : <	2	16, 33, 36, 38
m	* INDE * *	* ET - LIB *	1	16, 25, 28
n	* INDE : * *	* ET - LIB :	1	16, 28, 29
o	* INDE * *	ETLIB *	1	28, 29, 42
p	* INDE * *	* ETLIB *	1	16, 29
q	INDE : * *	* ETLIB : *	1	33
r	* INDE : * *	* ET LIB :	5	31, 33
s	* INDE : * *	* ET - LIB : *	2	33
u	* INDE • *	* ETLIB	1	16) Per minute of p
aa	* FNDE . * *	* ETLIB . *	1	32
bb	* INDE : - + - - + -	- + - ETLIR :	?	?
cc	// INDE : <<<	// ET-LIR :	2	37
dd	>< INDE : <<<	< ET-LIR : <	?	?
ee	>< INDE : <<<	>< ET-LIR :	1	39
ff	<< INDE : <<<	<< ET-LIR : <	2	33, 34, 36, 37, 39
gg	* INDE : * *	* ETLIR : *	2	31, 33
hh	* INDE : * *	* ETLIR : *	2	30, 33

ET Z
PC D D D R S

S
Cr

AT

1787 — OBVERSE

Type	Head Facing	Bust	Legend and Punctuation		No. of Dies	With Reverse
50	Left	Draped	* AUCTORI *	* CONNLC *	1	F
51	"	"	Same as 29 ²			
52	Right	Mailed	AUCTORI	CONNEC	1	G
53	Left	Draped	→ AUCTORI : ←	→ CONNLC : ←	1	FF
54	"	"	Same as 21			
55	"	Mailed	* AUCTORI *	* CONNLC *	1	F
56	"	Draped	← AUCTORI : ←	← CONNLC : ←	1	XX

32⁴

like for

1788 — OBVERSE

Type	Legend and Punctuation		No. of Dies	With Reverse
1	AUCTORI	CONNLC	1	I
2	* AUCTORI *	CONNLC *	1	D
3	✠ AUCTORI ✠	* CONNLC *	2	B
4	AUCTORI *	* CONNLC ✠	2	B, K, R
5	* AUCTORI *	* CONNLC ✠	1	B
6	AUCTORI *	* CONNLC *	1	H
7	* AUCTORI *	* CONNLC *	1	E, F, K
8	AUCTORI *	CONNLC *	1	K
9	AUCTORI	CONNLC *	1	E
10	AUCTORI *	* CONNLC *	1	C
11	* AUCTORI *	* CONNLC *	1	G
12	* AUCTORI *	* CONNLC *	2	C, E, F
13	* AUCTORI *	* CONNLC *	1	A
14	* AUCTORI *	* CONNLC *	2	A, L
15	* AUCTORI *	* CONNLC *	2	L, P
16	* AUCTORI *	* CONNLC *	6	D, H, L, N, O
17	* AUCTORI *	* CONNLC *	1	O, Q

MAILED BUT NOT

MAILED LEFT

LEFT

2-5-11-13-15

DRAPED

1787—REVERSE

Type	Legend and Punctuation	No. of Dies	With Obverse
ii	* INDE : * *	1	41
kk	* INDE : * *	2	26, 40, 42
AA	* INDE : + - +	1	26
BB	x INDE : + - + -	1	46
CC	+ INDE : - * - * -	1	45
DD	- + - INDE : + - + -	1	21
EE	* INDE : * - * -	1	33
FF	- + - INDE : + +	1	24, 53
GG	- + - INDE : - + = + -	1	38
HH	↔ INDE : ↔ ↔	1	37
II	* INDE : * * *	1	33
KK	* INDE : * * *	1	33
LL	* INDE : * *	1	37
NN	* INDE : * *	2	16
RR	↔ INDE : ↔ ↔	1	37
SS	* INDE : * *	1	33
TT	- * - INDE : * *	1	37
VV	INDE	1	1
WW	ET LIB LIB. STD RI-LT	1	1

XX ↔ INDE : ↔ ↔ ↔ ET-LIB : ↔ 1 56

W. H. R?

1788—REVERSE

Type	Legend and Punctuation	No. of Dies	With Obverse
A	* INDE * ET *	2	13, 14
B	INDE * ET 3 ³ 3	2	3, 4, 5
C	INDE * ET WE GV	1	10, 12
D	INDE * ET * 3 ³ 3	1	2, 16
E	INDE * ET * WE	1	7, 9, 12
F	INDE * ET * WE	1	7, 12
G	INDE * ET * WE	1	11
H	* INDE. * *	1	6, 16
I	INDE x	1	1
K	* INDE *	1	4, 7, 8
L	* INDE • ET *	2	14, 15, 16
M	INDE • ET *	?	? = 1 ² ?
N	* IN DE. * *	1	16
O	* INDL. ET * *	1	16, 17
P	* INDE • ET * *	1	15
Q	* INDE • ET *	1	17
R	* INDE * WE ? *	1	4

ET right side WIKNR
Quoted left side BE

Var. 3. Lower fillet-end distant from A. AUCTORI closely spaced. Hair brushed back, forehead receding. Last colon midway between C and mail. Break from lower left corner of mail. $4^3-A^2 (R^3)$. $4^3-D (R^4)$ *ll*

Var. 4. Four hair locks from upper front leaf unite in a prominent berry over forehead. Mail at lower left corner has rounded extremity. Long pointed nose, lips thick. Upper fillet points between A and U. EC low. $4^4-C (R^4)$. $4^4-D (R^4)$

Obverse 5.

AUCTORI :

CONNEC :

Lower dot of colon half on head.

Var. 1. Lower fillet-end distant from A, upper one rather close to U. AUC closely spaced. Lower dot of last colon slightly below line of C. C in CONNEC closed. Neck large and badly shaped. Two oblong die-breaks between chin and bust. *ll*

 $5^1-F^5 (R^4)$

Var. 2. AUC more widely spaced than in var. 1. Upper fillet-end further from U. Lower dot of last colon below line of C. Colons further from I and C than in var. 1. *The - 1 RR part - one of 5' F - ...*

1. Period-like dot in field between upper part of mail and last colon. $5^2-F^5 (R^4)$ *ll*

Obverse 6.

AUCTORI :

CONNEC :

Lower dot of colon entirely on head. I partly on head.

Var. 1. Prominent berry on forehead. Tail of R close to I and touches head. Last colon distant from mail and much nearer C. $6^1-A^1 (R^3)$ *ll*

Var. 2. Tail of R touches I but is clear of head. Last colon close to C and low. Breaks near milling before CONNEC, on head in front of wreath, and from forehead through face and field to corner of mail. $6^2-F^1 (R^4)$ *ll*

Var. 3. Fillet-ends between bust and A. A touches upper fillet. Hair very coarse. C distant from forelock. $6^3-G^1 (R^3)$. $6^3-G^2 (R^4)$ *ll*

Var. 4. Lower fillet-end distant from A. Lower left corner of mail ends in sharp point. T in AUCTORI high. Last colon nearly equi-distant from C and mail. Die-break at foot of A, in late impressions connecting A with mail. *ll*

 $6^4-F^5 (R^5)$. $6^4-I (R^3)$. $6^4-K^1 (R^5)$ *ll*

Var. 5. Fillet-ends between bust and A. Letters light and tall. I low and prolonged below the bottom of R. Last colon more distant from the bust than in var. 3. Die-break over NNE. $6^5-M (R^5)$ *ll*

Obverse 7.

AUCTORI

CONNEC

Var. 1 Mailed bust facing left. Head of '86. Milling fine, but most of it lacking. $7^1-D (R^5)$ *ll*

2. Some specimens show a Heavy die-break from neck through lower end of the fillets. *Die break*

 $7^2-D (R^6)$

Obverse 8.

AUCTORI :

CONNEC :

Mailed bust facing left. Similar to type 7 but with the addition of colons to the legend. Large letters. Oblong break in field in front of nose. One of the rarest types of 1785. Crosby found only one. $8-D (R^6)$ *ll*

1785 REVERSE

Reverse A

INDE :

ETLIB :

Goddess of Liberty seated, facing left, olive branch in right hand, liberty pole with cap in left.

ill. Var. 1. Branch-hand points at D and space between D and E. Branch very close to inner dot of colon, its top about on a level with upper part of colon. B a trifle low. Last colon also low, the lower dot nearer B. 2—A¹. 6¹—A¹

ill. Var. 2. Branch-hand points at E and space between E and colon. Inner dot partly on branch which extends considerably above colon. Last colon not far from date-line. In date 1 broad and high. 4³—A²

Var. 3. Branch-hand points at first colon. Branch curved. The folds of the skirt very prominent. E in INDE low and out of position. Lower dot of colon close to stem of branch. 3¹—A³

Var. 4. Branch-hand points at D and space between D and E. Top of upper leaf considerably above colon. A second scroll projects downward from shield directly over the figure 5. 2—A⁴

Reverse B.

INDE : ✚

ETLIB :

Branch-hand opposite E. Cross formed by four irregular heavy dots with light connecting line. Top of branch close to cross. Lower dot of first colon close to leaves on left. Base of E's defective. Compare Rev. K and Rev. L. 3⁵—B

Reverse C.

INDE : ⋮ ⋮

ETLIB :

The second group of 4 dots irregular. Leaves of branch close. Date wide.

4⁴—C*Reverse D.*

INDE : ∴

ETLIB :

ill. Branch-hand opposite colon. Stem of branch thin and weak. Five leaves on left, four on right. 4³—D. 4⁴—D. 7¹—D. 8—D

Reverse E.

INDE : ∴ ∴

ET LIB : ∴

Periods large and heavy. Figures of date small. Top of 5 touches date line.

1—E

Reverse F.

INDE : ☉

ET LIB :

ill. Var. 1. Branch-hand points at D. I in INDE distant from date line. First colon low, the lower dot very close to E and merging into outer leaf of branch. LI close at base. Last colon close to B. Break through top of 8, extending more than half way towards 5. 3⁴—F¹. 6²—F¹

Var. 2. Branch-hand points at first colon and space between E and colon. I in INDE distant from date line, but not so far as in var. 1. First colon low, but clear of E and branch. Lower curve of B defective. 3¹—F²

Var. 3. Branch-hand points at first colon. I near date line. Upper date line heavy. First colon sloping and further from E than in var. 5. 3³—F³

Var. 4. Branch-hand points at E. Letters of legend heavy. Third leaf on left of branch touches inner dot of colon. Lower dot of last colon close to rim of shield. 4¹—F⁴ 4²—F⁴

Var. 5. Branch-hand points at first colon. Large, heavy letters. I in INDE near date line. Last colon low, rather distant from shield. Date lines uniform. 5¹—F⁵ 5²—F⁵ 6¹—F⁵

Reverse G

INDE : ☼ ☼

ET LIB :

Var. 1. Top of branch opposite centre of first quatrefoil. Liberty cap unusually large. Date line ends opposite foot of Liberty. 6³—G¹

Var. 2. Top of branch about level with lowest part of first quatrefoil. Liberty cap small. 6³—G²

Reverse H.

INDE : ☼

ET-LIB :

Crosby gives this reverse with obverses 4 and 5.

Reverse I.

INDE : ☼

ET LIB :

Lower dot of first colon close to branch and might be taken for a leaf. Stem heavy and continuous. I slants to left. N is further from I than from D. The punctuation after first colon shows 4 regularly placed period-like dots, under which is a comma nearly united to the lowest dot. Late impressions show die-breaks from I to milling, between N and D, and between T and L. There are also cracks along the top of TL and the base of LIB. 6⁴—I

Reverse K.

INDE : ☼

ET LIB :

In worn specimens it is not easy to distinguish the group of 4 large periods from the heavy cross in Rev. B. and Rev. L. In such cases the type must be determined from other details which show a marked difference.

Var. 1. Top of I above top of N in INDE. Foliage abundant, top leaf disconnected. Bottom of I double-cut. Branch-hand points at E and space between E and colon. Last colon near date line. 6⁴—K¹

~~Var. 2.~~ Top of I and N nearly on same plane. Base of both E's defective. Last colon distant from date line. ~~Possibly a duplication of Rev. B, with the connecting lines of the cross not showing.~~ ~~3⁵—K²~~

Reverse L.

INDE : ☼

ET LIB :

The group following first colon is a heavy cross like Rev. B with addition of 4 irregularly shaped dots. Branch-hand points at E. ()

Specimens sharp enough to show the dots added to the cross are very scarce. Pieces not showing these dots might easily be classified as Rev. B. The branch, however, is quite different from B. 3¹—L. 3²—L. 3

Reverse M.

INDE: ☼

ET LIB: ☼

Branch-hand points above colon. Letters tall. First quatrefoil about twice as far from colon as from head. Upper dot of both colons low. Date line double, the upper stroke the heavier. Not in Crosby. 6⁵—M

1786 OBVERSE

Obverse 1.

AUCTORI

CONNEC

Mailed bust facing right. Rudely cut die with heavy features and double chin. Ribbon bow with long, coarse ribbon-ends. Sometimes struck on light planchets. 1—A (R¹)

Obverse 2.

AUCTORI

CONNEC

Mailed bust facing right.

Var. 1. Head of better work than in type 1. Ribbon-ends lighter and NE more widely spaced. Eight leaves in wreath. Periods opposite centre of letters. 2¹—A (R³). 2¹—D³ (R⁶)

Var. 2. Head large, similar to Obv. 3. Broad shoulders. Periods opposite lowest part of letters. A distant from mail. Not in Crosby. 2²—D² (R⁵)

Obverse 3.

AUCTORI

CONNEC

Mailed bust right. Head large, largest of the year. A near mail. All letters in CONNEC distant from head. 3—D¹ (R¹). 3—D¹ (R⁶)

Obverse 4.

AUCTORI

CONNEC

Mailed bust left.

Var. 1. Coarse, serrated milling. Letters in CONNEC all touch milling. 4¹C 4¹—G (R²)

Var. 2. Fine milling. Heavy break from neck through fillet-ends. Same die as Obv. 7² of 1785. 4²G 4²—R (R⁵)

Obverse 5.

AUCTORI

CONNEC

Mailed bust left.

Var. 1. Coarse, serrated milling. The upper border of mail beneath the throat consists of a double curved line and is not fluted. The tail of the R¹ extends too far to the right. Break through ORLE 6 (4) 5¹—H¹ (R⁵)

Var. 2. Upper dot of both colons low. Last colon sloping, the upper dot nearer c. Four leaves on back of wreath. Three stemmed berries within wreath. Lowest

curl ends in a berry which it partly includes. Fine milling. Slight break at left of o in CONNEC.

5²—H¹ (R⁵). 5²—I (R³). 5²—O² (R⁵)

Var. 3. "Hercules Head." Bust and letters deeply cut. Scowling face, neck thick, chin rectangular. I long, extending above the top of R. Same die as Obv. 7 of 1787.

5³—B² (R⁶). 5³—G (R⁵). 5³—N (R³)

Var. 4. Coarse, serrated-milling. Letters NEC touch milling. Semi-spherical protrusion below the front mail. In the field above the fillets a short hyphen-like line. Upper dot of both colons low.

5⁴—G (R²). 5⁴—O¹ (R²). 5⁴—N (R⁶)

Var. 5. Four leaves on front, three on back of wreath. Semi-circle below mail. Edges of leaves rough and irregular. Lowest curl encircles a berry. Milling fine. First colon sloping, the lower dot nearer I. Upper dot of last colon nearly level with top of c. Break from upper fillet.

5⁵—M (R³)

Var. 6. Four leaves on back of wreath. Milling fine. Semi-circular line below mail. Both colons low, dots large and heavy. V-shaped break from last colon to border and thence to lower right point of mail.

5⁶—M (R⁵)

Var. 7. Upper dots of both colons about on a level with the tops of the preceding letters and somewhat farther from I and c than the lower dots. Four leaves back of wreath with rough, irregular edges. The letters NEC recut. Milling fine, in most cases partly lacking. Heavy diagonal break across neck. Semi-circular line below mail distant from milling.

5⁷—H¹ (R⁴). 5⁷—O² (R⁵)

Var. 8. Upper dots of both colons farthest from letters. Four leaves on back of wreath. Semi-circular line heavy, touching milling. Partial double cutting of fluted border. Break on border above and to left of co.

5⁸—F (R⁵). 5⁸—H² (R⁵). 5⁸—O² (R³)

Var. 9. Upper dot of both colons low. Upper dot of first colon the nearer to I. Four leaves on back of wreath with edges smooth and not outlined. Three berries with stems in wreath. The lowest curl ends in a berry, but does not encircle it. Sharp specimens show trace of a semi-spherical elevation. No semi-circular line. Fine milling.

5⁹—B¹ (R⁴). 5⁹—Q (R⁵)

Var. 10. Upper dot of both colons low. First colon has both dots near I. Four outlined leaves back of wreath. Lowest curl ends in a berry, but does not encircle it. First c in CONNEC shows double cutting. Break closing first c in CONNEC. Another closing and extending slightly below last c.

5¹⁰—L (R⁴). 5¹⁰—P (R⁵)

Var. 11. Upper dot of both colons low, the dots much smaller than those on other dies of Obv. 5. Four leaves on back of wreath with smooth edges, not outlined. No berries. Lowest curl heavy, without berry. No semi-circular line.

5¹¹—R (R⁵)

Var. 12. Differs from Var. 10 chiefly in the position of the colons. The first colon is more distant from I and the last colon closer to c than in Var. 10. In Var. 10 the first colon slants to left with both dots close to I. In Var. 12 the upper dot is considerably further than the lower one from I. The last colon is low, the lower dot mostly below c. The tail of the R is further from I than in Var. 10.

5¹²—L (R⁶)

Var. 13. B. P. 1786, heavy & even; upper dot of first colon low, lower dot high. First c in CONNEC shows double cutting. Break closing first c in CONNEC. Another closing and extending slightly below last c.

Var. 14. C. P. 1786, heavy & even; upper dot of first colon low, lower dot high. First c in CONNEC shows double cutting. Break closing first c in CONNEC. Another closing and extending slightly below last c.

Obverse 6.

AUCTORI:

CONNEC:

ll Draped bust, facing left. A distant from bust and U. U double cut, high and out of position. Three fillet-ends. *Almost none shown all of date* 6—K (R⁵)

Obverse 7.

AUCTORI: *

* CONNEC: *

ll Draped bust left. A near bust. Upper fillet points at last colon. 7—K (R⁶)
1787 25¹

Obverse 8.

AUCTORI:

CONNEC:

ll Mailed bust left. U near mail in the place usually occupied by A. No space left for an A. CONNEC rather widely spaced. Chin pointed. Oblong die break back of head above the fillets. 8—O¹. Unique

This curious piece is not an overstrike. Probably the legend was so badly blundered that the die was discarded after a few trial pieces. The upper part of the reverse of the only known specimen shows the incused impression of a second obverse.

1786 - strikes of 5¹ UCTOR) occupies more space than comparable Auctor 1

1786 REVERSE

Reverse A.

INDE

1—A. 2¹—A

Reverse B.

INDE

ET LIB

Var. 1. Top of D slopes to right. The lowest portion of the branch stem terminates in a line deflected to right. Break from forehead left to milling; also from 7 to 1 in INDE. Other breaks also. The impressions of this reverse are generally weak and the planchets defective. 5²—B¹

Var. 2. Much stronger and better struck than Var. 1. No deflecting line from branch stem. Branch short, with seven coarse leaves. B touches shield. Die-breaks from border to back of head and through the final B. An extremely rare reverse. 5³—B²

Reverse C.

4¹C. 4—C

INDE (?)

ET LIB:

Crosby, 5—C. Mr. Crosby gives this combination, but no specimen of it has been located.

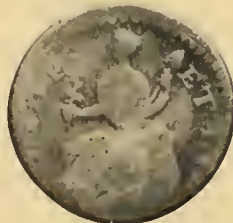
Reverse D.

INDE.

ET LIB.

Var. 1. Liberty cap large and very wide, touching milling. Branch points at period. Top of T in ET above top of E. 3—D¹

Var. 2. First period distant from E. Liberty cap large and tall, clear of milling. Branch-hand opposite D. Top leaf points to right of period. E in ET slants to left. Usually found on small planchets, not showing date. 2^2-D^2

 2^2  D^2

Var. 3. Legend very widely spaced. Liberty cap large. Branch-hand opposite N. Branch points at lower left corner of E. Broad, coarse milling. Figures of date small, all close to date line, which is double. 2^1-D^3

Var. 4. Periods in line with base of letters. Branch-hand opposite space between N and D. Top leaf slants to right and points to base of E. Date line double. Figures of date all considerably below the line, except the 6 which is less distant. $3-D^4$

 $3-P^4 = 6-4-1-1$ $3-D^4$ *Reverse E.*

INDE : ∴

ET LIB :

Crosby gives this reverse in combination with Obv. 5. Examples found prove on examination to be worn or weakly struck pieces generally of Rev. O.

Reverse F.

INDE. - - - - -

ET LIB.

The horizontal lines of the cross are larger and much heavier than the vertical lines. Two strings below the hair-puff. Branch-hand opposite D. Branch short, with scanty foliage and long leaves. Upper leaf on left points at upright of E. No terminal leaf. 5^8-F

Reverse G.

INDE : - - -

ET • LIB :

Group of four horizontal lines near first colon. Pole with Liberty cap. Stem of branch short and thick, with small leaves. Lower curve of B very close to rim of shield. Last colon has lower dot on shield. $A^2-G, 4^1-G, 5^3-G, 5^4-G$

Reverse H.

INDE :

ET • LIB :

Var. 1. Drapery extends well to right over shield. Lower dot of last colon very close to shield, but not touching. Branch wide, leaves rather long. The stem of the branch ends in a line deflecting to right. No Liberty cap. $5^1-H^1, 5^2-H^1, 5^7-H^1$

Var. 2. Drapery as in Var. 1. Lower dot of last colon barely touches shield. Highest point of top leaf a trifle below the lower right corner of E. No deflecting line from bottom of stem. 5^8-H^2

 5^8-H^2

Reverse I.

INDE : •••

ET • LIB :

In the group of 4 dots between the first colon and the head the upper and lower ones are light and close, the lateral ones heavier and more distant. The elongated period between ET and LIB may have been meant for a hyphen. Lower dot of last colon entirely on shield. Branch-stem ends in a line deflecting to left. No Liberty cap.

5¹—I 5²—I*Reverse K.*

-|- INDE : -|-

-|- ET - LIB :

The third group of 4 lines close to pole. No Liberty cap. The branch-stem is prolonged in a line slightly curved and thicker at the end.

6—K. 7—K

Reverse L.

INDE : ≡

ET - LIB :

Group of lines about midway between colon and head. Colon dots small. Last colon clear of shield. Branch short. Branch-hand opposite upright of D. Pole has Liberty cap.

L 4²—L 5¹⁰—L 5¹²—L

Crosby Supplement, p. 372.

Reverse M.

INDE ∞

ET LIB

Neck long. Back of head squarely outlined by the hair. Pole has Liberty cap. From the lower left corner of the stem there is a short, curving line. Four transverse lines on globe, the upper two close.

Crosby, on page 372, refers to this reverse as B. It is, however, from a different die.

5⁵—M. 5⁶—M*Reverse N.*

INDE : -|- -

ET • LIB :

The group of 6 lines is midway between first colon and head. Lower dot of first colon partly below base of E. Lower dot of last colon on shield. b touches rim of shield. Pole has cap. Date line single.

5³—N. 5⁴—N*Reverse O.*

INDE : •••

ET LIB :

Var. 1. In the group of 6 dots after the first colon the upper and lowest are the largest. Leaves of branch long. Lowest leaf on left points downward, corresponding leaf on right club-shaped and points upward. Stem of branch ends in a line deflecting to left. Lower dot of last colon on shield. Liberty cap touches milling. Date line single.

? 8-0¹ 5¹—O¹

Var. 2. The periods at extreme right and left of the group of 6 are both a trifle above the adjoining ones, while in Var. 1 the period at the left is a trifle low. Top of upper leaf near E. Lower dot of first colon about on line with base of E. Lowest leaf

on left of branch points upward. Top leaf separated from stem. No line from bottom
of stem. Lower dot of last colon on shield. No Liberty cap. [Illegible]

Specimens of this reverse showing distinctly the group of 6 dots are very difficult to obtain. Less perfect pieces are not especially rare. $5^2=O^2$. $5^7=O^2$. $5^8=O^2$

Reverse P.

INDE :

ET - LIB :

This reverse differs from Rev. H in having a hyphen instead of a period between ET and LIB. Neck long. Lowest leaf on left of branch turns slightly upward. Lower dot of last colon about half on shield. Traces of double date line, the lower line heavy. Four transverse lines upon the globe about equi-distant. 5¹⁰—P

Reverse Q.

INDE :

ET-LIB :

Neck long. Stem of branch ends in a line curving to left. Four short leaves on left of branch. Terminal leaf points at lower dot of colon and is distant from it. Lower dot of last colon on shield. ~~Three~~⁸ longitudinal lines on globe. ^{2, 3, lat. body} Pole has Liberty cap. Double date line, the lower one heavy. The character after INDE is only approximate. Specimens found are too poor to show it exactly. 5⁹—Q



59



Q

Reverse R.

INDEX :

ET-LIB :

Upper dot of first colon low, opposite middle of e. Branch short, with small, thick leaves. Lower dot of last colon half on shield. Fine curved line, but no drapery over shield. Date line single.

1787 OBVERSE

Mailed Busts

Obverse 1.

AUCTORI

CONNEC

Mailed bust, facing right.

Var. 1. The smallest head of the year. Wreath of seven leaves. A close to mail. c close to head. c distant. Same die as Obv. 1 of 1788.

$$1^1-A \text{ (R}^3\text{)}, \quad 1^1-VV \text{ (R}^6\text{)}$$

Var. 2. Largest head of the year. A close to mail, final c distant. On most specimens CONNEC weakly struck, the E not showing. "Bradford Head," "Mutton Head."

12—C (\mathbb{R}^3)

Var. 3. Medium head. Letters large. A six-pointed star in front at lower edge of mail. Tip of nose opposite right edge of O. Last C touches mail. 1³—L (R⁴)

Var. 4. Head outlined and right of centre of planchet. Lowest point of mail near milling. Broken A.A C low. Vermont C. C as in New York.

A die discovered by Dr. Hall after the publication of his list. 1⁴—WW (R⁶)

Obverse 2.

AUCTORI

CONNEC

Mailed bust, facing left. TOR widely spaced. Tail of R nearly touches base of I. Second N double cut. E L. 2—B (R³)

Obverse 3.

AUCTORI

CONNEC

Mailed bust left. Fillet-ends tied in a bow. Sharp pointed A leans strongly to left. Letters of legend irregularly spaced. TORI on higher plane than AUC. Final C low. 3—G (R⁵)

Obverse 4.

AUCTORI

CONNEC

Mailed bust left. Letters large and widely spaced. The periods nearly opposite the centre of the letters. Perfect die. Found also with crescent-shape die break in front of throat. Occasional examples with this die break are found on unusually large planchets. On later issues the die break becomes more extended and forms a horn-like projection from the mail.

4—L. Perfect die, R³. Broken die and horned bust C. Large planchet, R⁴

Obverse 5.

AUCTORI

CONNEC

Mailed bust left. Periods opposite centre of letters. CO close. 5—P (R⁶)

Obverse 6.

AUCTORI

CONNEC

Var. 1. "Laughing Head." Periods, except the second, opposite centre of letters. Second period higher and nearly over top leaf of wreath. I over hair. Star below mail. 6¹—M (R¹)

Var. 2. "Simple Head." "Outlined Head." Second period opposite centre of I and distant from wreath. Break through star below mail to milling. 6²—M (R³)

Obverse 7.

AUCTORI

CONNEC

"Hercules Head." CO widely spaced; also both N's. Same die as Obv. 5 of 1786, Var. 3. 7—I (R⁴)

Obverse 8.

AUCTORI

CONNEC

In the group of four dots in front of the wreath the right horizontal dot touches the top leaf, and in poorly struck or worn specimens does not always show. Three fillet-ends. Break from foot of A, sometimes extending upward to the chin.

8—N (R³). 8—O (R³)

Obverse 9.

* AUCTORI * [] * * CONNEC *

First crosslet low. Last crosslet near c. Berries within wreath in triplets. o in AUCTORI and co in CONNEC low. 9—D (R⁴). 9—E (R⁴). 9—R (R⁵)

Obverse 10.

+ AUCTORI * * [] * + CONNEC +

Second and third crosslets low. Last crosslet distant from c. No berries in wreath. A slightly low, its right stand prolonged nearly to u. o partly double cut. i also a little low. 10—E (R⁵)

Obverse 11.

* AUCTORI * All [] * CONNEC *

Var. 1. First star very close to mail, but not quite touching. Last star touches mail. Stars with five blunt points. Second star distant to left of hair. A inclines decidedly to left. 11¹—E (R²)

Var. 2. First and last stars more distant from mail than in Var. 1. Base of i and second star near hair. Break from upper curve of c to upright of t. 11²—K (R³)

Var. 3. First star ^{heavily} touches mail. A leans strongly to left and is very distant from u. u nearly or quite closed. co relatively close. ONN widely spaced. Canfield collection. 11³—K (R⁶)

Obverse 12.

AUCTORI . * [] CONNEC *

Mailed bust left. Twelve leaves in triplets. ONN weakly struck owing to an injury to the die. Period nearly all below i and close to forehead. Upper fillet-end close to final c. Last cinquefoil points between the fillet-ends. 12—Q (R⁴)

Obverse 13.

AUCTORI * * CONNEC *

Mailed bust left. Six-pointed stars. Nine leaves and five berries in wreath. uc more closely spaced than the other letters. Break connecting tops of o and r. 13—D (R³)

Obverse 14.

➤ AUCTORI ◀ [] ➤ ➤ CONNEC. ◀

Mailed bust left. Five pheons in legend. AUCTORI irregularly spaced. Tail of r touches base of i. Uprights of t, r and i all unusually heavy. Upper fillet-end points to period. 14—H (R³)

Obverse 15.

* AUCTORI * * [] * * CONNECT * *

Mailed bust left. Seven cinquefoils in legend. Wreath has twelve leaves in triplets; six berries in pairs. 15—F (R³). 15—R (R⁶). 15—S (R⁵)

Draped Busts

Obverse 16.

AUCTORI :

CONNEC :

Type 16 and all the following obverse types of 1787, except 52 and 55, have the bust draped and facing left.

Var. 1. Letters large. A rather near point of bust. Long-tailed r touching base of i. Second c partly on head. o close to head. Last c low. A curved fold of the toga projects from the bust near the lower left corner of A. 16¹—m (R³)

Var. 2. Letters large. Both colons low. A distant from bust. c close to head, but does not quite touch. Last colon close to final c and end of toga. 16²—NN¹ (R⁴)

Var. 3. Small letters. A very distant from bust. Last colon distant from toga. Top of r slopes to left. 16³—l² (R⁴)

Var. 4. Letters large. Both colons low. A very near bust. Last c near fillet-end and in regular position in distinction from Var. 1, where the final c is low. 16⁴—n (R⁴)

Var. 5. Letters large. First colon distant from hair and a little low. Lower fillet points at last colon. All the c's nearly or quite closed. CONNEC widely spaced. Break from left foot of A, extending into the field. The same A punch was used with Obv. 8 of this year.

In sharp specimens three faint triangularly placed dots occur between the wreath and c. Dr. Hall regards this as accidental and showing little or no evidence of having been made with a punch. 16⁵—n (R³). 16⁵—p (R⁵). 16⁵—u (R⁶)

Var. 6. Letters large. A rather distant from bust. Lower dot of first colon very close to hair. AUCTORI widely spaced. c partly on head, o very close or touching head. Top of first N above that of second. c a little low, but not so low as in Var. 1. 16⁶—NN² (R⁶)

Obverse 17.

AUCTORI :

- + - CONNEC :

Long-tailed r. Hyphen to right of cross connects with c. 17—g³ (R³)

Obverse 18.

AUCTORI : +

+ CONNEC (.)

Letters small. A distant from bust. NNEC close. Final c connects with toga. Sharp specimens show a period on the toga after the final c. <— 18—g¹ (R³)

Obverse 19.

AUCTORI : +

+ CONNEC :

The letters ORI on a lower plane than AUCT. Long-tailed r. Second cross close to head. 19—g⁴ (R²)

Obverse 20.

AUCTORI : *

* CONNEC :

Large letters. A very close to bust. o and i in AUCTORI and final c in CONNEC low. Tail of r connects with base of i. Break from final c in CONNEC to border. 20—a² (R³)

Obverse 21.

AUCTORI: ✕ - + - CONNEC: ✕

Letters small. A distant from bust. First cross high. Second cross midway between wreath and c. co not far from head. Both fillet-ends point at last cross.

In Crosby's table of types Obv. 21 is given with a plain cross without hyphens. Dr. Hall could not find any such die, nor has any specimen of it been since located. In place of it Hall added a new obverse type (54) with hyphens attached to the cross. This seems an unnecessary duplication of types. In worn specimens the hyphens sometimes do not show, but in all other respects the dies are identical. 21—DD (R⁴)

Obverse 22.

AUCTORI: ✕ + CONNEC: ✕

Letters small. Top of T leans to left. C touches head, o close. First x double cut. Lower fillet points to last cross. 22—g² (R⁵)

*Obverse 23.*AUCTORI: + - - + - CONNEC: - + - 

Crosby records this obverse combined with his reverse (A), but no collection is known to have an example of it. If it exists it is extremely rare. 23—f (R²)

Obverse 24.

- + - AUCTORI: - + - CONNEC:

First o leans to left. R high. Lower dot of first colon partly below I. Upper fillet-end opposite c. Lower fillet points to last colon.

24—g³ (R⁴). 24—g⁵ (R⁴). 24—FF (R⁶)*Obverse 25.*

✕ AUCTORI: ✕ ✕ CONNEC:

Large letters. Dots in the angles of first cross. Short hyphen-like lines in angles of cross before CONNEC. Fillets outlined, the lower pointing to colon.

25—b (R³). 25—m (R⁵)*Obverse 26.*

✕ AUCTORI: ✕ CONNEC: ✕

A near point of bust. Letters large. R and I connect. Last cross between ends of toga. In sharp specimens there is a dot between the right arms of the last cross. Breaks through drapery to edge. 26—a¹ (R⁵). 26—kk¹ (R⁴). 26—AA (R³)

Obverse 27.

+ AUCTORI: ✕ ✕ CONNEC: ✕

Letters large. Imperfect A. Fillet-ends outlined and opposite E and c. EC low. Lower dot of last colon partly on toga. Last ~~star~~ high, opposite end of toga.

27—a¹ (R⁵)*Obverse 28.*

AUCTORI: ✕ ✕ CONNEC:

Large letters. Stars with five blunt rays. A near bust. R high. First colon nearly equidistant from I and star. c touches head: o very close. Lower fillet-end points to last colon.

28—m (R³). 28—n (R⁵). 28—o (R⁶)

Obverse 29.

AUCTORI : *

* CONNEC : *

Var. 1. Large letters. A touches drapery. c and o touch head. First colon low, the lower dot one half below i. Upper fillet-end points at last colon. Last star between colon and toga. 29^1-a^2 (R⁵). 29^1-n (R⁶). 29^1-p (R⁴)

Var. 2. A rather distant from drapery. i very low. Second star weak. c and o touch head. Four fillet ends, the third opposite last colon.

On some pieces from this die the weak second star is either very rudimentary or does not show. In his printed list Dr. Hall classified these as type 51, a new obverse. In his later notes he decided this was an error, and changed back the type to 29.

29^2-N (R⁶). 29^2-o (R⁵)

Obverse 30.

AUCTORI : *

* CONNEC : *

A midway between bust and U. Right arm of T above adjoining o. Second cinquefoil close to head. Both colons low. Upper fillet points to last cinquefoil.

$30-hh^1$ (R²). $30-X^1$ (R³)

Obverse 31.

* AUCTORI : *

* CONNEC :

Var. 1. First cinquefoil close to drapery and mostly to left of it. A line to left of the upright of T. i low. Third cinquefoil nearer to c than to wreath. c touches head. Lower fillet-end points to last colon. 31^1-gg^1 (R³). 31^1-r^4 (R¹)

Var. 2. First cinquefoil close to point of bust, almost entirely to left of it and about opposite the centre of A. Tops of r and i on same curve. c touches head. Lower fillet-end points below last colon. Break connects third cinquefoil with wreath.

31^2-r^3 (C)

Obverse 32.

* AUCTORI : *

* CONNEC : *

Var. 1. First cinquefoil half under bust. Second cinquefoil distant from period and well to left of hair. Last cinquefoil close to period and toga. Lower fillet-end points at last period. Break connects last cinquefoil with end of toga. 32^1-X^3 (R²)

Var. 2. First cinquefoil nearly half under bust. Second cinquefoil near period and distant from hair. Third cinquefoil distant from head. Lower fillet points at last cinquefoil. r and i lean to right. c touches head, o at medium distance. Upper fillet-end opposite last period. 32^2-X^1 (C). 32^2-X^2 (R¹). 32^2-X^4 (R⁵)

Var. 3. First cinquefoil about one-fourth under bust. Second cinquefoil distant from period and most of it above hair. Third cinquefoil at moderate distance from head. Last cinquefoil below lower fillet-end. First period low, below base of i. Last period opposite lower fillet-end. Lower line of E imperfect and long. The e, which is made with an F punch altered, sometimes looks like F. Final c low. 32^3-X^4 (C)

Var. 4. First cinquefoil entirely to left of bust. Second cinquefoil distant from period and much to left of hair. Third cinquefoil distant from head, and nearly midway between wreath and c. Last cinquefoil opposite lower fillet-end. Both periods low, the final one about equidistant from c and cinquefoil. In CONNEC first c barely touches head. co widely spaced, ec close. 32^4-X^5 (R⁴). 32^4-Z^3 (R⁵)

$32^4 F$

$32^4 Z$

Var. 5. First cinquefoil half under bust and very high. Second cinquefoil low, not far from period and distant from hair. Third cinquefoil a little distant from head and midway between wreath and c. Last cinquefoil opposite upper fillet-end and distant from toga. First period further from i than from cinquefoil. Last period equidistant from c and cinquefoil. cr widely spaced. Right arm of T long. Final c closed. Break through final c. 32⁵—aa (R³)

Var. 6. First cinquefoil entirely to left of bust. Second cinquefoil low and near period. Third cinquefoil high and much nearer to wreath than to c. Last cinquefoil opposite lower fillet-end and distant from toga. First period low and very close to base of i. Last period above fillet-end and rather close to c. Lower right corner of i defective. ec low. 32⁶—X⁶ (R⁵)

Var. 7. First cinquefoil about one-fourth under bust and distant from A. Second cinquefoil rather near period and distant from hair. Third cinquefoil high, distant from head. Lower fillet-end points at last cinquefoil. First period close to i and cinquefoil, but not so low nor so close to i as in var. 6. Last period midway between c and cinquefoil. r a trifle low. i leans to right. Defect at top of T. Final c low. 32⁷—X¹ (R⁵)

Var. 8. Letters and cinquefoils large. Second cinquefoil high, above hair and near period. Second and third cinquefoils near wreath. Lower fillet points to edge of last cinquefoil, which is nearer to end of toga than to c. First period near cinquefoil and opposite hair. Upper fillet end points just below last period. Top of A leans to left. c clear of head. No berries in wreath. 32⁸—aa (R⁵)

Var. 9. Letters and cinquefoils large. Second cinquefoil high, above hair and near period. Second and third cinquefoils near wreath. Lower fillet points to edge of last cinquefoil, which is nearer to end of toga than to c. First period near cinquefoil and opposite hair. Upper fillet end points just below last period. Top of A leans to left. c clear of head. No berries in wreath. 32⁹—aa (R⁵)

Var. 10. Letters and cinquefoils large. Second cinquefoil high, above hair and near period. Second and third cinquefoils near wreath. Lower fillet points to edge of last cinquefoil, which is nearer to end of toga than to c. First period near cinquefoil and opposite hair. Upper fillet end points just below last period. Top of A leans to left. c clear of head. No berries in wreath. 32¹⁰—aa (R⁵)

GROUP I. UPPER FILLET-END POINTS AT LOWER DOT OF LAST COLON:
VARIETIES 1 TO 22, 46

In each group of this type the varieties are arranged according to the position of the first cinquefoil relative to the point of the bust, the earlier varieties having the cinquefoil entirely, or for the most part, left of the bust; the later varieties with the cinquefoil chiefly or entirely beneath the bust.

In Group I vars. 1 to 9 have the cinquefoil entirely or almost all left of bust.

vars. 10 to 13 have the cinquefoil partly under, but mostly left of bust.

vars. 14 to 18 have the cinquefoil about half under bust.

vars. 19 to 22 have the cinquefoil almost entirely under bust.

Var. 1. First cinquefoil entirely left of bust, about on a line with the middle of A. Second and last cinquefoils close to colons. Third cinquefoil nearly equidistant from wreath and c. Colons small and close to i and c. Upper curve of ORI on lower level than that of AUCT. c close to head. o rather distant. NNE high. Last cinquefoil distant from toga. Breaks from edge through top of A to U; from i through second cinquefoil and hair; from c through top of o to border; from border to end of toga. 33¹—Z¹³ (R¹). 33¹—Z¹⁹ (R⁵)

Var. 2. First cinquefoil almost wholly left of bust. Second cinquefoil close to forelock. Third cinquefoil close to head and much nearer to c than to wreath. Last cinquefoil rather close to colon and toga. First colon equidistant from i and cinquefoil. Last colon close to c. Medium spacing in AUCTORI, the AU further apart than the other letters. c touches head. o close to head. Second n high. Final c slants to right. In some combinations of this obverse, die-cracks occur along the top and bottom of most of the letters: also from the top of i to the wreath and through the last colon and cinquefoil to the toga.

332—Z⁵ (C). 332—Z¹² (C). 332—Z¹⁷ (R⁴). 332—Z²¹ (R⁵). 332—Z²² (R⁴)

Var. 3. Cinquefoils: First almost wholly left of bust; second midway between colon and wreath and mostly above hair; third distant from head and a little nearer to c than to wreath; fourth near toga and about twice as far from last colon. First colon wide, the lower dot nearer i. A distant from cinquefoil and u. c partly on head, o very close to head. First n double cut. e from altered f punch. Perfect die: also break from milling through e. In some cases this die-break changes the e into f and makes the legend read CONNFC.

333—W¹ (R³)

Var. 4. Cinquefoils: First close to point of bust, nearly all to left of it; second opposite forelock and nearer colon than wreath; third nearer c than wreath; fourth a little closer to colon than to end of toga. First colon close to i, slanting to right, the lower dot nearer i. Last colon low, the lower dot mostly below c. Letters of AUCTORI irregular, UC and OR more widely spaced than the other letters. c clear of head, o not very distant. In CONNEC both c's low and e double cut. Break through AUCTO to milling. Another through lower part of bust to milling.

334—q (R⁴). 334—Z² (R⁵)

Var. 5. First cinquefoil close to bust, almost entirely to left of it; second a little distant from forelock and midway between colon and wreath; third clear of head and about equidistant from wreath and c; fourth equally distant from upper dot of last colon and toga. First colon wide, nearer to i than to cinquefoil. Last colon low, the lower dot mostly below c. A slightly high. c touches head. o close to head. Final c low. Die crack along top of AUC.

335—T² (R³)

Var. 6. First cinquefoil considerably below point of bust and almost entirely to left of it; second distant to left of hair and midway between colon and wreath; third high, distant from head and a little nearer to c than to wreath. First colon slanting, the lower dot nearer to i and distant from cinquefoil. Last colon wide, near to c and cinquefoil, which is high, and opposite the upper dot of the colon. The letters RI slope to right. c close to head. o somewhat distant. CON widely spaced. Three fillet ends. Toga double cut.

336—KK (R¹)

Var. 7. First cinquefoil about three-fourths left of bust and distant from A; second opposite upper dot of colon and nearer to it than to wreath; third high, nearer to c than to wreath; fourth mostly beyond end of toga and equally distant from colon and toga. Dots of both colons heavy and close. Lower dot of first colon about half below the base of i. Legend well spaced. c low, almost touching head, o distant. Break through upright of T.

337—r² (C). 337—r⁴ (R⁶). 337—Z¹⁰ (R⁶)

337—Z¹⁰ (R⁶)

Var. 8. First cinquefoil one-fourth under bust and high, distant from A; second fairly distant from colon and hair; third rather distant from head, nearer c than to wreath; last midway between colon and toga. First colon close to i, the lower dot touching the base of that letter. Last colon a little nearer c than to cinquefoil. i high, leaning to right. Irregularity in die at right of i making the i thick and blurred. c clear of head, but close to it. o distant from head. e high, the top leaning to right. Breaks from milling to A and E. $33^8-Z^{13} (R^4)$. $33^8-Z^{19} (R^5)$

Var. 9. First cinquefoil close to bust and about three-fourths to left of it; second distant from colon and well to left of hair; third distant from head and about equidistant from wreath and c; last cinquefoil nearer to end of toga than to colon. Upper dot of both colons low. c clear of head, o distant. Break from milling through first c. In some cases other die breaks, especially through last colon to lower fillet. $33^9-s^2 (R^2)$

Var. 10. First cinquefoil high, partly under bust, but mostly to left of it; second partly over and very close to hair; third near wreath; last distant from colon and very close to end of toga. First colon low, nearly midway between i and cinquefoil. Last colon in regular position, a little nearer to c than to cinquefoil. First o low. co low and touching head. on widely spaced. $33^{10}-Z^7 (R^5)$. $33^{10}-Z^8 (R^4)$. $33^{10}-W^6 (R^6)$

Var. 11. First cinquefoil high, more than half to left of bust; second near colon, partly over and near hair; third close to head, and nearer to c than wreath; last cinquefoil low, midway between colon and end of toga. First colon low, a little nearer to i than to cinquefoil. Last colon not far from c. AUCTORI widely spaced. c touches head, o well clear of it. Top of e leans to right. Break over to. Break from milling to upper fillet. $33^{11}-Z^{18} (R^4)$. $33^{11}-gg^1 (R^5)$

Var. 12. First cinquefoil high, more than half to left of bust; second distant from colon and hair; third high, nearer c than wreath; last close to toga, the upper part in line with upper dot of colon. First colon low, the lower dot half below i and nearer to i than to cinquefoil. AUCTORI well spaced, with T high and i low. c very close to or touching head. o very close to c and distant from N. Break from first cinquefoil through AUCTORI; also from milling through E. $33^{12}-W^3 (R^5)$. $33^{12}-Z^{16} (R^3)$. $33^{12}-Z^{21} (R^5)$. $33^{12}-Z^{24} (R^6)$

Var. 13. First cinquefoil low, nearly half under and touching bust; second very low and almost touching lower dot of colon; third also low, touching head; last midway between final colon and end of toga. Colon dots close, the upper dot of both colons low and close to letters. A closer than usual to first cinquefoil and bust. c on head, o very close to head. Semi-circular break over o in AUCTORI, connecting with upper corner of T. Break from milling through fillets, sometimes closing the final c. $33^{13}-Z^1 (R^5)$. $33^{13}-Z^6 (R^4)$. $33^{13}-Z^7 (R^4)$. $33^{13}-q (R^5)$. $33^{13}-ff^1 (R^6)$. $33^{13}-hh^2 (R^6)$

Var. 14. First cinquefoil about half under bust; second high, distant from colon and partly above forelock; third distant from head, nearer to c than wreath; last high, mostly above end of toga and rather nearer to toga than to colon. Colons distant from

letters and cinquefoils. Letters CO close to head, but do not touch. EC more closely spaced than other letters. A curved die-break, starting below the drapery, runs through the first cinquefoil and along the top of AUCT to the milling above first colon. Crack from point of bust to milling. $33^{14}-Z^{14} (R^3)$

Var. 15. Cinquefoils: first half under bust and very distant from A; second high, opposite upper dot of colon, distant from colon and hair; third high, midway between C and wreath; fourth distant from colon, close to toga and mostly above it. Colon dots heavy and rather close. First colon low, the lower dot largely below I, but closer than the upper dot to I. Last colon near C. Top of R above top of O. CO clear of head. Top of second N leans to right. NNE high. $33^{15}-r^1 (R^1)$

Var. 16. Second N double cut. Otherwise ~~same die as~~ ^{similar to} var. 14. Breaks from milling to lower end of toga and from milling to last cinquefoil. $33^{16}-l^2 (R^4)$. $33^{16}-Z^{15} (R^1)$. $(33^{16}-T^2)(R^6)$

Var. 17. First cinquefoil half under bust and a little more distant from it than in var. 15; second cinquefoil high, a trifle over but not so far from hair as in var. 15. Third cinquefoil not very distant from head. Last cinquefoil nearly all above end of toga and well separated from it. Base of I trifle below R. In other respects this die closely resembles var. 15, differing chiefly in the position of the second and third cinquefoils, which are nearer to the hair than in var. 15. $33^{17}-r^1 (R^3)$. $33^{17}-r^5 (R^6)$. $33^{17}-gg^2 (R^2)$

Var. 18. First cinquefoil about half under bust and close to drapery; second distant from colon, hair and wreath; third high, distant from head and a little nearer to C than to wreath; last cinquefoil about equidistant from colon and toga. First colon thus: , slanting to right, the lower dot nearly all below I and nearer than the upper dot to I. Last colon also low, the dots close, and midway between C and last cinquefoil. AUCTORI rather closely and about evenly spaced, with A and I a little low. Letters small. C touches head, O low and very close to head. Top of first N above that of second. This obverse is not in Hall's list. $33^{18}-Z^{24} (R^6)$

Var. 19. First cinquefoil close to bust and almost wholly under it; second very close to colon and distant from hair; third high; last close to colon and toga. Both colons low and close to letters and cinquefoils. A nearer to bust than to cinquefoil. I low and double cut. (The double cutting does not show when this obverse is combined with Rev. q.) C touches head, O distant. Base line of E defective, the punch probably altered from F. Final C low, slanting to right. $33^{19}-Z^1 (C)$. $33^{19}-Z^2 (R^3)$. $33^{19}-q (R^5)$

Var. 20. First cinquefoil almost entirely below drapery and very distant from A; second partly over and distant from hair, its centre on a line with upper dot of colon and nearer to colon than to hair; third midway between wreath and C; last nearer to end of toga than to colon. First colon wide, nearly equidistant from I and cinquefoil, the lower dot partly below I. Last colon nearer to C than to cinquefoil. Tops of R and I lean to right. C and O touch head and are widely spaced. O in CONNEX low. Final C low. $33^{20}-Z^9 (R^4)$. $33^{20}-Z^{11} (R^6)$

Var. 21. Not in Hall's list, but given in his later notes as follows:

"Colons heavy, the lower periods about half below adjacent letters. AU and CT closer than the other letters in AUCTORI. CONNEC widely spaced, except NE. End of toga defective, giving the appearance of two small periods following the last cinquefoil."

Two specimens of this obverse have been located.

33²¹—Z¹³ (R⁶)

Var. 22. First cinquefoil partly below bust and closer to A than usual. AUCTORI widely spaced, UC closer than the other letters. Second cinquefoil low, its centre on a line with lower dot of colon. Last cinquefoil low, nearer colon than end of toga. Last colon low and close to C. I over an O. C close to head.

33²²—H (R⁶)

The only specimen known is in the collection of Mr. Hillyer Ryder. The fillet-ends are not clear enough to decide whether it should be placed in the first or second group.

Obverse 33 continued.

GROUP II. IN VARIETIES 23 TO 28 INCLUSIVE, THE UPPER FILLET-END POINTS BETWEEN THE LAST COLON AND CINQUEFOIL.

In varieties 23 to 25 the first cinquefoil is entirely left of bust.

In variety 26 the first cinquefoil is about one-half under bust.

In varieties 27 and 28 the first cinquefoil is more than half under bust.

Var. 23. The first cinquefoil entirely to left of bust; second cinquefoil distant from colon and near hair; third high; last nearly midway between colon and toga. First colon low, the dots close and not far from I. Last colon near C. AUCT widely spaced. U slopes to left, its top above that of C. C touches head, O very close. NE high. E leans to right.

33²³—Z⁴ (R²). 33²³—hh² (R⁵)

Var. 24. First cinquefoil entirely ^{and distant} to left of bust. Top of U on same curve as adjoining C. C on head. CO closely spaced. E low.

ANS LAC 33²⁴—Z¹⁰ (R⁶)

Var. 25. First cinquefoil entirely to left of bust; second partly above forelock and nearer to it than to colon; third high; last distant both from colon and toga. Both colons a little low and distant from letters, the colon dots heavy. AUCTORI widely spaced. T a trifle high. C almost touching, O rather near head. NNE high. Break from neck to milling. Crack from lower fillet through edge of last cinquefoil.

221 33²⁵—W³ (R⁵). 33²⁵—Z¹⁰ (R⁴). 33²⁵—Z²⁴ (R⁵)

Var. 26. First cinquefoil half under, nearly touching bust; second very near, or touching hair; second and third both near wreath; last cinquefoil opposite and near lower fillet-end, distant from toga. A very high, top sloping to left. O in CONNEC low and well on head. N above adjacent O. Heavy break across lower portion of drapery.

33²⁶—W³ (R⁵). 33²⁶—W⁵ (R⁶)

Var. 27. First cinquefoil more than half under bust and very close to drapery; second distant from colon and hair; third low, close to head; last cinquefoil a little nearer to end of toga than to colon. Colons in regular position, the first midway between I and cinquefoil, the last not far from C. Letters small. OR widely spaced. R and I lean to right. In CONNEC the EC closer than other letters. Break from nose to upright of R.

33²⁷—Z¹⁶ (R⁶). 33²⁷—r⁴ (R⁴)

Var. 28. First cinquefoil most all under bust, below the drapery; second distant from colon and hair; third high; last about midway between c and toga, which ends in two heavy dots. Colons nearer to letters than to cinquefoils. Letters small. c close to, or touching, o near head. Base line of e long. Letters NEC rather close at bottom. Break from second n through head and nose to milling. (This break does not show when combined with Rev. Z²⁰.) *l. t. 9NN 70*

33²⁸—Z¹¹ (R³). 33²⁸—Z¹⁶ (R³). 33²⁸—Z²⁰ (R⁶)

Obverse 33 continued.

GROUP III. IN VARIETIES 29 TO 41, THE LOWER FILLET-END POINTS
AT THE LAST COLON.

In varieties 29 to 34 inclusive the first cinquefoil is entirely or almost entirely left of the bust.

In varieties 35 to 39 the first cinquefoil is partly under the bust, but mostly left of it.

In variety 40 the cinquefoil is half under the bust; in 41 entirely under.

Var. 29. First cinquefoil entirely ~~under~~ ^{under} bust and nearer A than usual; second, opposite space between colon dots and not far from hair; third, clear of head, nearer to c than to wreath. Last cinquefoil touches end of toga. First colon sloping, thus: , the lower dot almost all below i. Last colon near c and a little further from the cinquefoil, the upper dot low. Letters large. Broad i, its base a little below the curve of or. c on head, o distant. First n high. Top of e leans to right. Die-cracks in front of mouth and downward from chin. Sometimes other cracks through c to fillets and from edge through toga and drapery to neck. These cracks especially occur in the combination with reverse z. *> 33²⁹—Z⁷ (R⁴). 33²⁹—gg¹ (R⁴)*

Var. 30. First cinquefoil very high, entirely left of bust; second above hair, its top on about the same curve as the tops of i and wreath; third distant from head, slightly nearer to c than to wreath; last high, near end of toga and distant from colon. First colon midway between i and cinquefoil. Upper dot of last colon weak, the lower dot below c. A slightly high, its top leaning to left. Upper curve of TORI on lower plane than that of AUC. U nearly closed at top. i broad and low. co clear of head. *> 33³⁰—EE (R⁵). 33³⁰—SS (R⁶)*

Var. 31. First cinquefoil below point of bust and entirely left of it; second distant from colon and not far to left of hair; third, close to head and nearer c than usual; last cinquefoil nearly touches end of toga. Lower dot of first colon close to i. Last colon midway between c and cinquefoil, the upper dot low. AU and CT relatively wide. i low. c touches head, o distant. Last c slants to right. *> 33³¹—gg² (R⁵)*

Var. 32. First cinquefoil entirely left of bust, its top on a level with the top of A; second near hair; third close to head and near c; fourth close to end of toga, about twice as far from colon. First colon slanting to right, the lower dot nearer i. Lower dot of last colon heavy, partly below c. ORI closely spaced. i heavy and low. c touches head, o distant. Left part of first n closed. e double cut. Final c very low.

Some examples show die-cracks from second cinquefoil through lower dot of colon and along base of *i*; from left of *A* through first cinquefoil to milling; from milling through drapery; in the field before face and bust. 33³²—Z¹³ (R¹)

Var. 33. First cinquefoil beyond point of bust, between drapery and *A*; second midway between colon and wreath, partly over hair; third not far from head, a little nearer *c* than wreath; fourth between end of toga and milling and very close to toga. First colon very low, the lower dot much below the base of *i*. Last colon widely spaced, the upper dot partly above the top of *c*. Small letters. *u* high, top of *o* leans to left. *c* touches, *o* close to head. *CT* and *ON* widely spaced.

On some specimens there is a slight crack downward from the eye along middle of nose; another also from top of wreath to milling. 33³³—Z³ (R⁴). 33³³—Z¹¹ (R³)

Var. 34. First cinquefoil close to point of bust and nearly all to left of it; second above hair, midway between upper dot of colon and wreath; third high; fourth opposite space between colon dots and very close to end of toga. Colons with large, heavy dots, the lower dot of first colon partly below *i*. Last colon wide, equidistant from *c* and cinquefoil. *UCT*, *ORI*, and *ONNE* widely spaced. Left arm of *T* defective. *c* partly on head. *o* close to head and nearer to *c* than to *N*. *NNE* high, close to milling. Final *c* very low.

Break from wreath to milling; also between the tops of *o* and *N*. *ON*

33³⁴—W² (R⁵). 33³⁴—Z³ (R⁵). 33³⁴—Z¹¹ (R⁵) 33³⁴—W⁴

Var. 35. First cinquefoil nearly touching bust and about three-quarters left of it. Second and fourth cinquefoils near colons. *R* high, its top sloping to right. Second *N* high. Wide spacing between *N* and *E*. *EC* close. The tail of *R* is long, apparently an alteration.

Break from lower part of bust through tops of letters *AUCTO* to milling over *R*. Heavy break near upper left corner of *R*. 33³⁵—Z⁹ (R⁶)

Var. 36. First cinquefoil about three-quarters beyond bust and well clear of it; second close to colon and distant to left from hair; third high, nearer to *c* than to wreath; last opposite space between colon dots, and nearly equidistant from colon and end of toga. Colons wide, in regular position. Letters small. In *AUCTORI* *o* and *R* lean to right. *i* high. *c* touches head. *o* at medium distance, leaning to left. *NN* high. Lower line of *E* heavy and long.

33³⁶—T¹ (R³). 33³⁶—T² (R¹). 33³⁶—SS (R⁶)

Var. 37. First cinquefoil about three-fourths beyond bust; second above hair, equidistant from colon and wreath; third close to head, nearer *c* than wreath; fourth mostly above upper dot of colon and end of toga and quite close to the toga. First colon distant from *i* and cinquefoil, the upper dot low. Last colon very low, the lower dot entirely below *c*. Letters widely spaced. *A* and *i* low. Period after *o* in *AUCTORI*. *c* partly on head. *o* high. *E* from an *F* punch altered clumsily, the base line too short. Final *c* low. A heavy dot at the milling, between last colon and cinquefoil. 33³⁷—Z⁹ (R³)

Var. 38. First cinquefoil below bust and more than half to left of it; second near and partly over hair, a little closer to upper dot of colon than to wreath; third

nearer c than wreath; last midway between colon and end of toga. Upper dot of colon low. AU more widely spaced than other letters. The letters ORI slope to right. o in CONNEC low. c close to head, but does not touch. Final c large and low.

Break from first cinquefoil along bottom of AUCT and through o to milling. Other breaks from milling downward through first colon, and from milling through upright of R to nose. With some reverses there is a curved break from left of A to milling. $33^{38}-Z^1 (R^3)$. $33^{38}-Z^6 (R^4)$. $33^{38}-Z^{23} (R^5)$. $33^{38}-gg^1 (R^5)$

Var. 39. First cinquefoil close to bust and more than half to left of it; second distant from colon and hair; third distant from head, much nearer to c than to wreath; last very close to end of toga. Colons close, the upper dot of both low. AUC more widely spaced than other letters in AUCTORI. Top of first o leans to right. co widely spaced. c well clear of head. o distant from head. $33^{39}-Z^{20} (R^6)$. $33^{39}-s^1 (C)$

Var. 40. First cinquefoil one-half or more under bust; second high, opposite upper dot of colon, distant from colon, hair and wreath; third very high, distant from head, wreath and c; fourth not far from colon, opposite upper dot. First colon nearer i than cinquefoil, but distant from both. Last colon near c, the dots close, the upper one low. AU widely spaced. c touches head, o distant. EC close. Break from milling through centre of A. Heavy break from end of toga and last cinquefoil to milling.

$33^{40}-Z^1 (R^5)$. $33^{40}-Z^2 (R^5)$

Var. 41. First cinquefoil very far under bust and very distant from A; second distant from colon and hair; third distant from head, wreath and c; last cinquefoil opposite and close to end of toga. Dots of both colons small, the upper ones low. Letters small. UC and EC closer than other letters. c just touches head. o high, leaning to left. Wide spacing in ONNE. Heavy break from head across neck and drapery to milling. Crack from milling along left side of i to nose. $33^{41}-Z^{11} (R^6)$

Obverse 33 continued

GROUP IV. IN VARIETY 42 THE LOWER FILLET-END POINTS AT THE LAST CINQUEFOIL; IN VARIETIES 43 TO 45 BOTH FILLET-ENDS POINT AT LAST CINQUEFOIL.

Var. 42. First cinquefoil entirely left of bust. Second high, very near upper dot of first colon. Last cinquefoil opposite lower fillet-end. Both colons sloping, the upper dot nearer letters. Highest portion of upper fillet-end opposite right edge of final c. Last c low. $33^{42}-Z^2 (R^6)$

Var. 43. First cinquefoil close to point of bust and wholly to left of it; second to left of hair, distant both from colon and hair; third nearer wreath than c; fourth midway between colon and end of toga and distant from both. Upper dot of both colons low. c touches, o very close to head. Second x high. ON and NE widely spaced. EC close. $33^{43}-q (R^1)$. $33^{43}-hh^2 (R^1)$

Var. 44. First cinquefoil very high, above the top of A and about three-fourths left of bust; second very close to forelock; third touches head. Last cinquefoil distant from colon, fillet-ends and toga. First colon wide, midway between i and cinquefoil. Last colon low, the lower dot below c. AUCTORI widely spaced. c touches head, o close.

Break from milling through drapery to A, and from milling through o in CONNEC.

44¹¹—W³ (R⁵)

Var. 45. First cinquefoil about half under bust, distant from A; second distant from colon, near forelock and partly above it; third touching head; last distant from toga and fully twice as far from colon. First colon wide, the lower dot nearer i. Lower dot of last colon a little low. Wide spacing in AUCTORI except between u and c. Top of T above that of C. c in CONNEC touches head and is nearer to wreath than usual. o near head. Final c low.

33⁴⁵—W² (R⁵)

Var. 46 see 32

1787

Obverse 34.

AUCTORI : ◀

→ CONNEC : ◀

The only die with large fleurons. First fleuron touches forelock.

34—k³ (R⁶). 34 ff¹ (R³)

Obverse 35.

AUCTORI : ◀

→ CONNEC : ◀

Small fleurons. Crosby gives this obverse combined with his reverse (P). Dr. Hall could not find this die. All supposed examples proved on close examination to be obverse dies of Type 37 with the first fleuron weakly struck or worn off by circulation.

Obverse 36.

→ AUCTORI : ◀

→ CONNEC :

Small fleurons. First fleuron about half under bust. Both c's in CONNEC low. Lower fillet-end points to last colon.

36—k³ (R⁵). 36 l¹ (R³). 36—ff² (R⁵)

Obverse 37.

→ AUCTORI : ◀

→ CONNEC : ◀

First fleuron entirely left of bust. Varieties 1 and 2.

First fleuron mostly left of bust. Varieties 3 to 7.

First fleuron half under bust. Varieties 8 to 10.

First fleuron mostly under bust. Variety 11.

First fleuron entirely under bust. Varieties 12 to 14.

Var. 1. Fleurons: first left of bust; second distant from colon; third clear of head, nearer c than wreath; fourth close to end of toga. First colon nearer to i than to fleuron. Last colon about equidistant from c and final fleuron, the lower dot of the colon nearer i. i low. co clear of head. Lower fillet points at last colon.

37¹—cc¹ (R²)

Var. 2. Fleurons: first almost entirely left of bust; second distant from colon, hair and wreath; third close to head; fourth midway between final colon and toga. First colon sloping, the lower dot nearer i and about one half below that letter. Last colon also sloping to right and opposite upper fillet end. AUCT widely spaced, with u out of position and high. c touches head, o not far from head. Final c low and imperfect. Lower fillet points at last fleuron. Break through AUCTO.

37²—k⁵ (R³)

Var. 3. Fleurons: first close to bust, partly under, but mostly left; second distant from colon, very close to hair; third not far from head, and nearer c than wreath; fourth near colon and toga. Both colons slightly low and well separated from letters. Long tailed r. Top of i leans to right. e high, leaning to right. Lower fillet points at last fleuron.

37³—i (R²)

Var. 4. Fleurons: first partly under, but more than half to left of bust; second distant from colon and hair; third very close to head; last distant from colon and end of toga. First colon distant from i. Last colon rather distant from c. t above o. i low. Second n above the first. c low.

37⁴—k¹ (R¹). 37⁴—RR (R⁶)

Var. 5. Fleurons: first close to bust, and more than half to left of it; second distant from colon and hair; third near head; last about midway between colon and end of toga. Upper dot of first colon low and distant from i. Last colon low, well separated from c and fleuron. Long tailed r. c touches head, o very close. First n high.

Break from milling to head between third fleuron and c. A later break through second fleuron.

37⁵—e (R²)

Var. 6. Fleurons: first near bust, more than half to left of it; second near, but clear of hair; third clear of head, and closer to c than to wreath; last rather closer to end of toga than to upper dot of colon. First colon sloping, the upper dot more distant from i. Last colon very low, the lower dot mostly below c. Long tailed r. c on head, o rather close. Second n high. Final c low. Upper curved line of drapery extends nearly to ribbon bow.

CTORI

37⁶—k⁴ (R⁴). 37⁶—B (R⁶)

Var. 7. Fleurons: first more than half left of bust and almost touching it; last fleuron near toga. Dots of first colon equidistant from i. Three berries in wreath. t high.

37⁷—h² (R⁵)

Var. 8. Fleurons: first about half under and clear of bust; second near colon, a little further from hair; third close to head and much nearer to c than to wreath; last fleuron close to colon and end of toga. Colons well apart from letters. Last colon points at low part of upper fillet-end. uc and or widely spaced. i low. c on head. o close to head. Crack from drapery along the bottom of au. Another through third fleuron and top of wreath to upper dot of first colon.

37⁸—k² (R²). 37⁸—HH (R³). 37⁸—LL (R³)

Var. 9. Fleurons: first half under bust; second very distant from colon and distant to left of hair; third well above head and midway between wreath and c; last distant from colon and toga. Both fillet-ends point to last fleuron. Colons well spaced and nearer to the letters than to the fleurons. Last colon above the upper fillet-end. c close to head, but clear of it and much nearer to wreath than usual. Left lower curve of o quite close to head. Last c very low. Three berries in wreath.

37⁹—e (R³)

Var. 10. Fleurons: first half under and close to bust; second distant from upper dot of colon and considerably to left of hair; third nearer to c than to top of wreath; last distant slightly from colon and toga. Both colons sloping to right, the lower dots nearer the letters. Lower dot of last colon one half below c. c touches head, o somewhat distant. Last c low.

A slight die-crack is found from the top of v to the left arm of r. 37¹⁰—RR (R⁴)

Var. 11. Fleurons: first ~~more than half~~ under bust; second distant from colon and

hair; third close to head; last a little further from space between colon dots than from end of toga. First colon low. The dots of last colon nearer to c than to fleuron. AUCTORI widely spaced. A near bust. c touches head. o very close to head. Lower corner of N very distant from head. CON widely spaced. Final c low.

37¹¹—ff² (R³)

Var. 12. Fleurons: first entirely under bust, touching drapery; second distant from colon and hair; third close to head, about half way between wreath and c; last low, mid-way between lower dot of colon and toga. Both colons sloping, the lower dots nearer letters. Legend widely spaced. u defective at upper left corner. Long tailed r. c touches head, o very close to head, leaning to left. The upper eurved line of the drapery extends back of the neck up to the ribbon bow.

37¹²—LL (R⁴). 37¹²—TT (R⁵)

Var. 13. Fleurons: first wholly under bust, distant from A; second close to upper dot of colon, distant from hair; third well separated from head; last close to space between colon dots and pointing to lower edge of upper dot. First colon slopes decidedly to right, with the lower dot much the nearer to i. Last colon slightly low, the lower dot about half way between c and fleuron. r high and above o. r and i lean to right. c on head. o close to head, leaning to left and distant from N. Legend widely spaced.

Die cracks through middle of last E, and from bottom of c to toga. 37¹³—HH (R²)

Var. 14. Fleurons: first high entirely under bust; ^{2nd} slightly distant from colon, pointing between the dots; third close to head; last distant from colon and low, pointing at lower dot of colon. Both colons low and sloping to right. Wide spacing in AUCTORI. c touches head. Upper fillet-end opposite space between last colon and fleuron. Lower fillet end points at last fleuron. A eurved fold of the toga extends from point of bust uniting with the first fleuron.

37¹⁴—ee² (R⁶)

Obverse 38.

AUCTORI :

+ CONNEC : x

AUCI widely spaced, ORI closer. Colons wide. Large letters.

38—GG (R²). 38—I² (R³)

Obverse 39.

→ AUCTORI : ←

→ CONNEC : ←

Var. 1. First fleuron almost entirely under bust. Third fleuron close to head. Last colon low, the lower dot below c. Three berries in wreath. Medium spacing.

39¹—ff² (R⁵). 39¹—h¹ (R⁵)

Var. 2. First fleuron half under bust. Second fleuron distant from colon, pointing between the dots. First colon sloping, the lower dot much nearer i. Last colon regular. Milling coarse.

39²—ee (R⁴)

Obverse 40.

AUCTORI *

* CONNEC

Large letters. Stars with five blunt points. Last c touches end of toga. In most specimens the space between A and u is ineused, showing a small raised letter like a c.

40—N (R⁵). 40—kk¹ (R⁵)

37¹⁵

I: C:

R

C

Obverse 41.

* AUCTORI: *

* CONNEC: *

Large letters. Stars with five blunt points. Upper dot of colon after i very low. Last fillet end opposite c. Lower dot of colon on end of toga.

Crosby and Hall give the final punctuation of the legend as a period. Sharp specimens indicate that it is more likely a colon, the lower dot touching and blending with the end of the toga adjacent to c. 41—ii (R³)

Obverse 42.

* AUCTORI: *

* CONNEC: *

Large letters. Stars with five blunt points. First star partly under bust. i and upper dot of colon low. Period close to end of toga. Last star below drapery.

As in Obverse 41 the final punctuation may have been meant for a colon, the lower dot weak and blending with the end of the toga. However this is not so clearly shown as in Obverse 41. Break from milling to wreath. 42—o (R⁶). 42—kk² (R²)

Obverse 43.

* AUCTORI: *

* CONNEC: *

Var 1 Letters small and closely spaced except co. Cinquefoils near periods. c touches head, o very close to head. F punch used for E. Upper fillet-end points at last cinquefoil.

Var. 2. 32² h. f. c. F. n. 17 E. 'L' in the second L. T. 43²—Y (C)
42²—X⁴ (R)

Obverse 44.

* AUCTORI: *

* CONNEC: *

First cinquefoil close to point of bust and most all to left of it. No cinquefoil between colon and wreath. Last cinquefoil close to toga. Lower dot of first colon close to hair. AUCT widely spaced. Top of ORI on a lower curve than that of AUCT. c partly on head. E made with an F punch altered. EC consecutively low.

44—W⁴ (R²). 44—W⁵ (R⁵). 44—Z¹⁰ (R⁵)

Obverse 45.

-x- AUCTORI: -+-

-x- CONNEC: -+-

Small letters. Cross with hyphens before AUCTORI. Hyphen to left of second cross joins the cross. Last cross between ends of toga. Second n high. Lower fillet-end points at last colon. 45—CC (R¹)

Obverse 46.

* AUCTORI: x-

-x- CONNEC: -x-

First cross below bust and high. Good specimens show dots in three angles of this cross instead of the plain cross in Dr. Hall's list. Second cross high. The hyphen to right of this cross touches wreath. Last cross between the ends of the toga. Colons wide. Letters large. A close to bust. The tail of R joins the base line of i. EC low. Last colon distant from toga. 46—BB (R¹)

Obverse 47.

* AUCTORI : - x - - x - CONNEC :

Large letters. Leaves of wreath outlined. The tail of R does not join L. Three fillet-ends opposite C.

47—a³ (R⁵)*Obverse 48.*

➤ AUCTORI : ◀◀ ▶▶ CONNEC : ◀

First fleuron slightly under bust; last distant from toga. Upper fillet points at last colon. ON widely spaced. The periods after second and before third fleuron distinguish this legend from Obv. 37.

48—g⁵ (R⁵)*Obverse 49.*

* AUCTORI : * * * CONNEC : *

Two cinquefoils between the wreath and C, as in Obv. 15. Two known. *AM*

49—Z¹ (R⁶)*Obverse 50.** AUCTORI . * * CONNEC . * *period*

First cinquefoil between drapery and A; second close to ~~colon~~ and hair. Last cinquefoil between ends of toga. Letters large. Both fillet-ends point to C. Same die as Obv. 17 of 1788. Irregular die-cracks in front of face and neck, one passing through first C to milling. *struck after the 1788 mint.*

50—F (R⁵)*Obverse 51.*

AUCTORI * CONNEC *

This obv. given by Dr. Hall, but later changed by him to obv. 29². Sharp, well struck specimens show an additional star, weakly struck, before CONNEC. This renders the legend identical with that of Obv. 29. The combination is 29²—O.

Obverse 52.

AUCTORI * CONNEC *

Mailed bust, facing right. Head of medium size and round, with Roman nose. Fillet-ends tied with a bow. *Mark near T. 1. 1. C. 1. 1.*

52—G (R⁵)*Obverse 53.*

➤ AUCTORI : ◀◀ ▶▶ CONNEC : ◀

First fleuron low, slightly under bust. Second fleuron also low. Last fleuron distant from colon and toga. Upper dot of last colon the nearer to C.

The period before third fleuron distinguishes this legend from those of Obverses 37 and 48.

53—FF (R⁴)*Obverse 54.*

AUCTORI : x - + - CONNEC : x

Legend the same as Crosby's Obv. 21 with hyphens added to the second cross. All specimens examined of Type 21 prove to be identical with Hall's 54, with the hyphens weakly struck or worn off. This die, therefore, has been listed as Obv. 21 with hyphens added to Crosby's legend.

Obverse 55. THIS IS 32⁴

• AUCTORI • • CONNEC. •

Mailed bust, facing left. Same legend as obverse 32. Mule of obv. 16 of 1788.

3⁴ 55—F (R⁶)

1787 REVERSE

Reverse A

ETLIB

INDE

Coarse, serrated milling. Large Liberty cap.

1¹—A

Reverse B.

INDE ET

LIB

Large letters. Coarse milling, most of it wanting. Branch points at lower left corner of E in ET.

2—B. 37⁶—B

Reverse C.

INDE • ET

LIB

Period after INDE large. Date small, figures leaning to left, short branch with three leaves. Elbow forms a sharp point.

1²—CReverse D. *See*

* INDE + ET + + * LIB + *

Two crosslets between ET and head. The curved lower end of the shield terminates in a crosslet. Left upright of N double cut.

9—D. 13—D

Reverse E. *See*

* INDE * ET *

* LIB * *

Stars with five blunt points. Plume projecting from hair-knot, wide spacing between I B.

9—E. 10—E. 11¹—EReverse F. *See*

* INDE * ET * * * LIB * *

Eight cinquefoils in legend, the first weak and close to foot of Liberty. The last cinquefoil close to shield. Coarse, serrated milling.

15—F. 50—F. 55—F

Reverse G

INDE * ET

LIB *

Stars with six sharp points. Last star near B, distant from shield.

3—G. 52—G

Reverse H.

INDE • ET

* LIB. <<

Small date. A pheon on each side of date. Top of T in ET weak.

14—H

Reverse I.

INDE : •

ET LIB.

Lower and right dots of group connect. ET widely spaced. Break in the die between D and E.

7—I

1787 (1788) 55—F (R⁶)

Reverse K.

* INDE *

* ET LIB *

Stars with five blunt points. Plume from hair-knot. INDE widely spaced. Stars somewhat distant from foot and shield. 11²—K. 11³—K

Reverse L.

INDE •

ET • LIB •

Letters large with wide spacing. Top leaf of branch below lower right corner of E. 1³—L. 4—L

Reverse M.

INDE : * *

* ET • LIB :

Stars with six blunt points. Liberty cap low. All figures of date distant from date line. 6¹—M. 6²—M

Reverse N.

INDE * *

* ETLIB *

Stars with five blunt points. Branch points at first star. Last star close to lower part of shield. Figure 8 imperfect. 8—N. 29²—N. 40—N

Reverse O.

* INDE : * *

* ETLIB : *

Stars with five blunt points. D smaller than other letters in INDE. Lower line of L long and close to base of I. 8—O

Reverse P.

• IN DE •

ET LIB •

The first two periods opposite the centre of letters; the last period high. Branch between N and D. The lower right corner of B disconnected and extending to right. In date 17 low. 5—P

Reverse Q.

* IN DE •

ETLIB • *

Both periods low. Last period and cinquefoil partly in shield. Branch hand between N and D. Branch points at upper part of upright of D. Coarse milling. 12—Q

Branch hand makes N DE 1787 over 1877

Reverse R.

+ IND × ×

+ ET +

× + +

LIB *

+ ×

Eleven crosslets in legend. The lower curved portion of the shield terminates in a crosslet as in reverse D. Leaves of branch made with the same crosslet punch. Coarse milling. Irregular die-break to left of last 7 of date, giving the 7 the appearance of having been struck over an 8. 9—R. 15—R

Reverse S.

* INDL * ET *

* LIB *

Besides the cinquefoils in the legend, a cinquefoil is shown on each side of the date. The one on the left is distant from the figure 1 and touches the line. The cinquefoil on the right is below the line and close to the top of 7. In the date 1 is distant from 7 and leans decidedly to left.



A heavy break from right edge of shield to border nearly obliterates the letters IB. The few specimens known of this very rare die are all in poor condition. 15—S

Reverse T.

* INDE : * * *

* ET LIB : *

Var. 1. Lower dot of last colon distant from shield. No terminal leaf to branch. Date-line single.

Heavy break from edge near last cinquefoil. Break from milling between edge and fourth cinquefoil. 33³⁶—T¹

Var. 2. Lower dot of last colon touches shield. "Skeleton hand." Date-line double. 33⁵—T². 33¹⁶—T². 33³⁶—T²

Reverse V.

* INDE . * * *

* ET LIB . (V)

This die is given in Crosby's table in combination with obv. 32. Dr. Hall also includes it in his list, but his record of the number of pieces of each variety found contains no examples of Rev. V except two, both of which he later erased from his list. It seems reasonably certain that the type is Rev. X with the final cinquefoil not showing.

Reverse W.

* INDE : * * *

* ET LIB :

Var. 1. First cinquefoil distant from foot and I. Leaves of branch distant from colon and second cinquefoil. ^{up.} I low, distant from N. L low. B altered from R.

Breaks: Second cinquefoil to branch; from lower part of shields to edge; through second E. 33—W¹

Var. 2. First cinquefoil nearer foot than I. Branch long ending on a level with top of second cinquefoil. Second leaf to left almost touches colon. Left part of date-line triple. Diagonal break across shield. ^{up.} I, : (, E 33³⁴—W². 33⁴⁵—W²

Var. 3. First cinquefoil and legend distant from milling. Branch ends opposite second cinquefoil. Second and third leaves on left near lower dot of colon. Lower line of E in ET and sloping downward. B low. Lower dot of last colon close to B and shield.

33¹²—W³. 33²⁵—W³. 33²⁶—W³. 33⁴⁴—W³

Var. 4. Legend distant from milling. First cinquefoil close to leg of goddess. First colon distant from E and sloping to right. Second leaf on left near colon-dot. Last colon also sloping, the lower dot close to B and cinquefoil. B altered from R.

33³⁴—W⁴ 44—W⁴

Var. 5. Branch-hand opposite space between D and E. N double cut. Break between T and L from pole to milling. 33²⁶—W⁵. 44—W⁵

Var. 6. INDE widely spaced, I leaning to left. Upper line of first E imperfect. Colon distant from E and still further from cinquefoil, the lower dot below the base line of E. Third cinquefoil relatively high. Second leaf on each side of branch prominent. Branch points to left side of third cinquefoil, ending opposite second. Base of E in ET curved. T high. LIB close at bottom. B a little low. Last colon sloping, the lower dot heavy and entirely on shield. Crack from upper left corner of I to border and from shield to milling. Ryder collection. 33¹⁰—W⁶

A 34

Reverse X.

* INDE . * * *

* ETLIB . *

Var. 1. First cinquefoil near foot, in line with top of 1. Fourth cinquefoil low. First colon distant from E and cinquefoil. Last ^{period}colon close to shield and cinquefoil. Top of branch almost touches third cinquefoil. 1 low, leaning to left. E in ET low. No curls. 30—X¹. 32²—X¹. 32⁷—X¹

Var. 2. First cinquefoil near foot, its top slightly below the level of top of 1. First period near base line of E and partly below it. Last period partly on shield. Last cinquefoil close to shield and opposite the upper curve of B. Branch points a trifle right of the centre of the third cinquefoil. INDE widely spaced, with 1 low and leaning to left. Letters of ETLIB irregular with E high. ET slants to left. IB successively low.

Die-crack connecting the top and bottom of first 7. 32²—X²

Var. 3. First cinquefoil about twice as far from 1 as from foot. First period touches base line of E. Last period distant from shield, nearer to B than to cinquefoil. Branch points to right of third cinquefoil and ends just below it. E in ET slants to left. Top of T higher than adjoining letters. 1 in LIB high. B altered from R. 32¹—X³

Var. 4. First cinquefoil nearer to foot than to 1 and partly above the top of 1. First period somewhat distant from E and very distant from second cinquefoil. The three cinquefoils between E and head all high. Last period half on shield. Last cinquefoil distant from B and often weakly struck. Letters heavy. Lower line of first E defective. Branch points at third cinquefoil and is distant from it. Second leaf on left points at colon. T high. B low, altered from R. Lower sash-end opposite space between L and I. 43⁷ X⁴. 32²—X⁴. 32³—X⁴

Var. 5. Branch points left of third cinquefoil, its highest point opposite right edge of second. Fourth and fifth cinquefoils low. Last cinquefoil slightly distant from shield. Last colon touches shield. Lower sash-end opposite 1. 32⁴—X⁵

Var. 6. Branch points at centre of third cinquefoil, ending below it. First period close to E and about half below it. Last period near shield, which is indented opposite the period. Last cinquefoil nearly touches shield. The two lower leaves on each side of branch large and prominent. T in ET and 1 in LIB slightly high. 32⁶—X⁶

Reverse Y.

* INDE . * - * - *

* ETLIB . *

The three cinquefoils after INDE separated by hyphens and widely spaced. Last colon close to B and final cinquefoil. Branch crooked. The lowest leaf on left pointing diagonally downward. 43—Y

Reverse Z.

* INDE : * * *

* ETLIB : *

In varieties 4, 5, 14, 15, 19 and 20 the lower dot of the last colon is distant from the shield.

In varieties 1, 2, 3, 6, 8, 10, 11, 13, 16, 17, 21 and 23 it is close to the shield and touches the shield in var. 12.

In varieties 7, 9, 18 and 24 the lower dot is partly or wholly in the shield.

X⁷

1st

7

8

P

ETLIB

Var. 1. First cinquefoil close to foot; second, third and fourth nearly equidistant, the third high. Last cinquefoil close to upper dot of colon and shield. First colon low, the lower dot almost all below E. Last colon also low, the dots close, the lower one very near but not touching shield. Top leaf of branch points at right side of third cinquefoil, ending somewhat below it. Branch-hand opposite E. *i* leans to left. First E struck over an N. E in ET leans to left. Top of T further from E than from L. Lower curve of B too small. Date-line curved over last 7. 8 touches line. \overline{T} \overline{L} \overline{E} \overline{B}

When combined with obv. 33⁴⁰ die-cracks occur from border along the edge of fourth cinquefoil to shoulder and across shield to milling; also from right shoulder to pole-hand.

33¹³—Z¹. 33¹⁹—Z¹. 33³⁸—Z¹. 33⁴⁰—Z¹. 49—Z¹

Var. 2. First cinquefoil nearer to foot than to *i*. Wider spacing between third and fourth cinquefoils than between second and third. Last cinquefoil near shield and opposite upper colon-dot. Both colons close to letters with the upper dot low. Lower dot of last colon close to shield. Branch-hand opposite E. Leaves distant from colon. Top leaf points to right edge of third cinquefoil, terminating a little below it. Close spacing in INDE. Bottom of LIB close. All figures below date-line. Late issues show vertical break through head and neck.

33⁴—Z². 33¹⁹—Z². 33⁴⁰—Z². 33⁴²—Z²

Var. 3. First cinquefoil high and close to foot. Third cinquefoil nearer to second than to fourth. Last cinquefoil close to colon and shield. Colons regular and near cinquefoils. Branch-hand opposite E. Top leaf points at centre of third cinquefoil and is considerably below it. INDE widely spaced. *i* in LIB high. B apparently made from an R punch. Figures 1 and last 7 encroach on date-line.

32⁴—Z³. 33³³—Z³. 33³⁴—Z³

Var. 4. First cinquefoil nearer to foot than to *i*. The three following cinquefoils nearly equidistant, the second a little low. Last cinquefoil touches shield and is near lower dot of colon. First colon near E and cinquefoil slanting to left, the upper dot low. Last colon near B and a little further from shield. Top leaf points to left part of third cinquefoil and is near to it. E in ET leans to left. LI a trifle high. B connected from R. In date 1 low, 8 touches line, which is curved over both 7's.

33¹⁹—Z⁴ 33²³—Z⁴

Var. 5. First cinquefoil nearer foot than *i*. Wider spacing between third and fourth cinquefoils than between second and third. Last cinquefoil distant from shield, opposite space between colon-dots. First colon nearer to E than to cinquefoil, the lower dot opposite second leaf on left of branch. Last colon near B and distant from shield. Branch points to centre of third cinquefoil, the top leaf out of position to the right. *i* leans to left. All figures of date touch line. Break from D across waist to pole. 33²—Z⁵

Var. 6. First cinquefoil a little nearer to *i* than to foot. The three following cinquefoils about equidistant. Last cinquefoil close to colon and shield. Colons near cinquefoils. Branch-hand opposite upright of E and space between D and E. Branch long and narrow, printing at centre of third cinquefoil. *i* low, leaning to left. In ET: *i* and B low. All figures date below line.

33¹³—Z⁶. 33³⁸—Z⁶

Var. 7. First cinquefoil nearer foot than *i*. Fourth cinquefoil low opposite face. Last cinquefoil high, mostly above upper dot of colon and close to rim of shield. First colon near E distant from cinquefoil. Last colon close to B, slanting to right, the lower

1. col.
N

dot half on shield. Branch-hand opposite E. Branch wide, its top leaf pointing right of second cinquefoil and terminating opposite the centre of the cinquefoil. First 1 low, TL widely separated. B low. Date-line defective at left. 1 high, distant from 7. Other figures below line. 33¹⁰—Z⁷. 33¹³—Z⁷. 33²⁹—Z⁷

Var. 8. First cinquefoil nearer foot than 1, but distant from both. Following three cinquefoils about equally spaced, the fourth low. Last cinquefoil near shield distant from colon. Lower dot of last colon close to shield and a little nearer B than the upper dot. Branch-hand opposite E and space between D and E. Branch short and broad, pointing nearly at centre of second cinquefoil and terminating well below it. Third leaf on left touches lower dot of colon. In ETLIB E and B low, LI close at bottom. B from an R punch with a long lower line added. Date-line irregular and broken, all figures touching it. B 33¹⁰—Z⁸

Var. 9. First cinquefoil closer to foot than 1, but less distant from 1 than usual. Third cinquefoil nearer to fourth than to second. Last cinquefoil close to upper dot of colon and touches shield. First colon much nearer to E than to cinquefoil. Upper dot of both colons low. Lower dot of last colon in shield. Branch-hand opposite upright of E and space below. Top of upper leaf about level with right edge of second cinquefoil. N distant from 1, its top above that of D. B low, leaning to right. Date-line curved over both 7's. 1 touches the line. 8 encroaches on it. Crack from pole hand through latter part of legend. 33⁷—Z⁹ 33²⁰—Z⁹. 33³⁵—Z⁹. 33³⁷—Z⁹ (anti stat)

Var. 10. First cinquefoil near foot. Third cinquefoil nearer to second than to fourth. Last cinquefoil close to shield, distant from colon. Colons distant from letters with the upper dot low. Upper dot of first colon more distant from E. Lower dot of last colon near shield. Branch-hand opposite E. Second leaf on left opposite colon, but distant. Top leaf points at left edge of third cinquefoil and is opposite the highest part of the second. Wide spacing in INDE, the 1 leaning to left. B slightly low, inclining to right. Lower date-line defective. 33⁷—Z¹⁰. 33²⁴—Z¹⁰. 33²⁵—Z¹⁰. 44—Z¹⁰

Var. 11. First cinquefoil a little nearer 1 than foot, but distant from both. The three following cinquefoils equidistant. Last cinquefoil close to shield, distant from colon. Colons distant from letters with upper dot low. Lower dot of last colon near shield. Branch-hand opposite E and space below. Branch points left of third cinquefoil and ends opposite second. Second leaf on left points to lower right corner of E. Lower left corner of second E near pole-hand B altered from R. In date first 7 high, the line above defective. Last 7 low.

Break from milling through upright of T; also from globe through last 7.

33²⁰—Z¹¹. 33²⁸—Z¹¹. 33³³—Z¹¹. 33³⁴—Z¹¹. 33⁴¹—Z¹¹ 33⁷—Z¹¹

Var. 12. First cinquefoil rather far from foot and twice as far from 1. Third cinquefoil slightly nearer to fourth than to second. Last cinquefoil close to upper dot of colon and shield. Colons near letters with the upper dot low. Lower dot of last colon close to B and touching shield. Branch-hand opposite space between DE. Branch points left of third cinquefoil and ends slightly above second. Uprights of IB parallel. B low. All figures touch date-line. Die crack from foot to top of first 1; through 8; along top of ETLIB. 33²—Z¹²

Var. 13. First cinquefoil about midway between foot and 1. Third cinquefoil nearer second than to fourth. Last cinquefoil opposite upper dot of colon and close to shield. Colons close to E and B, the upper dot of both low. Lower dot of last colon near shield. Branch points at left part of third cinquefoil and ends a little above second. Third leaf on left is near colon, pointing to the lower dot. B low. In date 1 high, both 7's below line. Crack through fourth cinquefoil.

33¹—Z¹³. 33⁸—Z¹³. 33³²—Z¹³

Var. 14. First cinquefoil low, almost touching figure. The three following cinquefoils equally spaced. Last cinquefoil distant from colon and shield. Both colons low, with their lower dot almost all below the preceding letters. Branch-hand opposite colon and space above it. Branch ends half way between second and third cinquefoils and points just left of the third. Top leaf disconnected to left. 1 in LIB double cut. 1 touches line, 787 below it. Break from edge nearly to branch between colon and second cinquefoil.

33¹⁴—Z¹⁴

Var. 15. First cinquefoil nearly equidistant from foot and 1. Much wider spacing between second and third cinquefoils than between third and fourth. Last cinquefoil very close to shield. Colons with dots close. First colon much nearer to E than to cinquefoil. Last colon low, midway between B and cinquefoil, the lower dot rather distant from shield. Branch-hand opposite E and space above it. Branch long, pointing at edge. Fourth leaf from bottom on both sides prominent. First 1 inclines to left. N high. Top leaf of branch disconnected between second and third cinquefoils. B low. Lower curve of B double cut. First 7 below, other figures touch date-line. 33¹⁶—Z¹⁵

Var. 16. First cinquefoil distant from foot and 1. Third cinquefoil slightly nearer second than fourth. Last cinquefoil touches shield, opposite upper dot of colon and distant from it. Upper dot of both colons low. Last colon about twice as far from cinquefoil as from B, the lower dot not far from rim of shield. Branch-hand opposite upright of E and space below. Branch points right of second cinquefoil and ends opposite its lower edge. First 1 low and distant from N. Upright of r extends below L. B, made with an R punch altered, leans strongly to right. On this reverse the pole-hand is lacking, the arm terminating abruptly below E.

Die-break from milling through top of E. 33¹²—Z¹⁶. 33²⁷—Z¹⁶. 33²⁸—Z¹⁶

Var. 17. First cinquefoil not far from foot, about twice as far from 1. Third cinquefoil much nearer to second than to fourth. Last cinquefoil touches shield. Dots of both colons close, the upper dot low. First colon rather near E, very distant from cinquefoil. Last colon slopes to left, the lower dot very close to shield. Branch-hand mostly opposite space between E and colon. Branch points at left part of third cinquefoil ending just above second. Second leaf from top on left near cinquefoil. Top of letters in INDE not all on same curve. ET wide. LI close at base. Date line defective over both 7's.

Long break through E across figure to border. Break at right of foot through date line. 33²—Z¹⁷

Var. 18. First cinquefoil near foot and low. Widest spacing between second and third cinquefoils. Last cinquefoil close to upper dot of colon and touches shield. Lower dot of last colon half on shield. Branch-hand opposite E. Branch points at left part

of third cinquefoil, its top between second and third. *1* close at base. Lower curve of *B* close to shield. Date-line curved over *1* and both *7*'s. 33¹¹—Z¹⁸

Var. 19. First cinquefoil about equidistant from foot and *1*. Three following cinquefoils equally spaced. Last cinquefoil distant from shield, opposite space between dots of colon. Last colon midway between *B* and cinquefoil and distant from shield. Branch-hand opposite *E* and space below it. Branch points at left edge of third cinquefoil, the top leaf a little above second. Second leaf on left very near colon. First *E* high, leaning to right. Lower corner of *E* in *ET* distant from pole-hand. Lower curve of *B* small. Date about evenly spaced. 33¹—Z¹⁹. 33⁸—Z¹⁹

Var. 20. First cinquefoil high, distant from foot and *1*. Group of three cinquefoils about equally spaced. Last cinquefoil rather distant from shield. Dots of first colon close, the upper are low. Last colon midway between *B* and cinquefoil, the lower dot distant from shield. Branch-hand opposite space between *D* and *E*. Top of branch opposite second cinquefoil, pointing to left of third. *D* low. Top of first *E* leans to right. Last *7* low.

Heavy break over last cinquefoil, extending later to upper part of *B*. Semi-circular figures encroach on date-line. ~~33²²—Z²¹ 33¹²—Z²¹~~ Z²¹ 7²¹

Var. 21. First cinquefoil high, a little nearer to foot than to *1*. Group of three cinquefoils widely and evenly spaced. Last cinquefoil near upper dot of colon and shield. First colon sloping, the lower dot nearer *E*. Last colon also sloping, the dots close, the lower one very near shield. Branch-hand opposite right part of *E* and space between *E* and colon. Branch points at third cinquefoil, the top leaf a little below it. Top of *N* above that of *D*. *N* struck with a punch altered probably from an *O*. All figures encroach on date-line. 33²—Z²¹. 33¹²—Z²¹

Var. 22. First cinquefoil high, nearer foot than *1*. Second and third cinquefoils more widely spaced than third and fourth. Last cinquefoil very near or touching upper dot of colon. Branch short, pointing between second and third cinquefoils. Top leaf about opposite right edge of second cinquefoil. Branch-hand opposite *E*. *N* struck with same altered punch as in Z²¹.

Heavy break near milling to right of fourth cinquefoil. 33²—Z²²

Var. 23. First cinquefoil distant from foot and *1*. The following group of three evenly and rather closely spaced. Last cinquefoil close to shield. First colon distant from *E* and still more so from cinquefoil. Last colon nearer to cinquefoil than to *B*, the lower dot very close to shield. Branch-hand opposite space between *D* and *E*. Top leaf disconnected and pointing at third cinquefoil. *B* low leaning to right.

Heavy break from shoulder to milling between third and fourth cinquefoils. Die crack from edge through lower right corner of *L*. 33³⁸—Z²³

Var. 24. First cinquefoil high in line with top of *1*. Group of three cinquefoils about evenly spaced. Last cinquefoil distant from upper dot of colon and close to shield. First colon slants to right and is distant from cinquefoil. Last colon very low, the lower dot entirely on shield. Branch-hand opposite *E*. Branch points to third cinquefoil, ending about half way between second and third. First *1* low and double cut. *N* high. *LIB* successively low. *B* altered from *R*. Figure *1* small, leaning to left. In some speci-

mens a heavy break occurs from milling above fourth cinquefoil extending downward across shoulder and drapery to the milling on the right of 7. This break is especially noticeable when reverse 24 is combined with obverse 18.

$$33^{12}-Z^{24}, \quad 33^{18}-Z^{24}, \quad 33^{25}-Z^{28}$$

Reverse a.

x INDE: - + — + - - + - ETLIB:

Var. 1. Large letters. Branch-hand opposite E. Third leaf on left of branch close to lower dot of colon. L high. Lower line of B light. Lower dot of last colon on shield. Break from upper right corner of L to edge. 26—a¹. 27—a¹

Var. 2. Large letters. Branch-hand opposite d. Top leaf near lower dot of colon. e in et low. Left lower corner of τ defective. Last colon very low. Upper dot touches rim, lower dot all on shield.

Var. 3. Large letters. Branch-hand opposite upright of e. Branch points at second cross. ib successively low. Hyphen to left of fourth cross on hair. Hyphen to right of fourth cross touches pole. 78 widely spaced. 47—a³

Reverse b.

x INDE : - + - - + - + - ET LIB :

Letters large. Branch-hand opposite upright of E and space between D and E. Left lower corner of E in ET distant from pole-hand. B well clear of shield. Last colon low, the lower dot nearly all on shield.

Reverse c.

† -INDE : -† - -† - -† - -† - ETAB :

Crosby describes this die in combination with obv. 22. Hall did not succeed in finding it and authentic examples are lacking. = σ^2 in the list by Crosby.

Reverse d.

* INDE : + ET LAB :

Another die listed on Crosby's authority, but lacking later confirmation. Crosby combines it with obv. 26. *Perf. Adm. 21 + var. 1*

Reverse e.

+ INDE: 100- + ETAB:

Branch-hand opposite n. Top leaf points at large dot of ornament. Wide spacing between TL. B distant from shield. Last colon low, the lower dot part on shield.

37⁵—e. 37⁹—e

Reverse f.

- + INDE : + + - + - ET LIB :

Crosby describes this die as reverse r of the draped busts of 1787 and combines it with obv. 24. We have met no specimens that exactly conform to it. Reverse rr is similar, but without hyphens to 4th cross.

Reverse g.

+ INDE: - + - - + - - + - ET - LIB:

Var. 1. Letters small. Branch-hand opposite upright of E and space between D and E. Top leaf near second cross. Hyphen to right of third cross very distant from head. Hyphen to right of fourth cross near pole. Upper dot of both colons low. Lower dot of last colon half on shield. Liberty pole touches date-line midway between 1 and 7. 18—g¹

Var. 2. Letters small. Branch-hand opposite E and space between D and E. Top of branch about level with right extremity of second cross. Lower line of L long. Pole touches date-line just above the left upper corner of first 7. Lower dot of last colon partly on shield. Dot left of ET-LIB. H. 22—g²

Var. 3. Letters small. Branch-hand opposite D. Top leaf of branch near hyphen to left of second cross. Hyphen to right of fourth cross joins the cross. A line unites the hyphen in ET—LIB with the right top of T. Lower dot of last colon very close to shield. 1 touches date line, other figures below it. 17—g³. 24—g³

Var. 4. Letters small. Branch-hand opposite right part of D. Top leaf points at left edge of second cross and is close to it. Hyphen to left of first cross touches figure just above the foot. Hyphen to left joins third cross. Hyphen to right of fourth cross touches pole and looks like a projecting finger. Lower dot of last colon touches shield. Upper date line the longer. Break below IN. Crack along bottom of date. 19—g⁴

Var. 5. Letters small. Branch-hand opposite D and space between D and E. Top of upper leaf touches colon-dot. Hyphen to right of first cross weak. Hyphen to left of fourth cross below plume. Last colon clear of shield. Light break from upper left corner of first E. 24—g⁵. 48—g⁵

Reverse h.

+ INDE: - + - - + - - + -

x ET - LIB:

Var. 1. Branch-hand opposite D. Top of branch level with right edge of first colon, IN widely spaced. Lower curve of B light. 39¹—h¹

Var. 2. Top of branch near large dot of ornament. Letters in INDE about evenly spaced. 37¹—h²

Var. 3. 37¹—h²

Reverse i.

+ INDE: - + - - + - - + -

// ET - LIB: x

Branch-hand opposite E. Branch points to large dot of ornament. Scroll nearly or quite touches head. Base line of I in LIB long. E T 37³—i

Reverse k.

// INDE: - + - - + - - + -

// ET - LIB:

The legend of k is the same as that of reverse ee, except the final letter, which in reverse ee is an R.

Var. 1. Branch-hand opposite space between D and E. Top of branch opposite middle of space between colon and ornament. Foliage scanty. First scroll near foot of goddess. 37⁴—k¹

Var. 2. Branch-hand opposite D and space between D and E. Upper leaf of branch partly on large dot of ornament. Period-like dot in field below the smaller fleuron of ornament. Last colon low, sloping to right, the lower dot almost all below B. 37^s—k²

Var. 3. Upper leaf ends opposite centre of large dot. First scroll very near or touching goddess. Lower edge of last colon on same curve as bottom of adjacent B. 34¹—K³ 36—k³

Var. 4. Top leaf unusually large and almost touching large dot. Right lower corner of B square and heavy, apparently altered from R. Last 7 low. Die broken on edge above ornament. 37⁶—k⁴

Var. 5. Branch-hand opposite upright of D and space between N and D. Branch ends opposite space between E and colon. No terminal leaf. Second leaf on right large and prominent. Second scroll almost touches head. 37²—k⁵

Reverse l.

◀◀ INDE : ◀◀◀

◀◀ ET — LIB : ◀

Var. 1. Branch-hand opposite D. Top of branch just beyond first colon. B altered from R. Last fleuron touches shield. ^{high}. Last 7 below line. LIB 36—l¹

Var. 2. Branch-hand opposite space between D and E. Branch short and wide, pointing to large dot of ornament. B altered from R. Both 7's below date-line. 16³—l². 33¹⁶—l². 38—l²

Reverse m.

* INDE * *

* ET — LIB *

Large letters. Branch points to second star. Last star distant from B and close to shield. Stars with five blunt points. Wide date. 16¹—m. 25—m. 28—m

Reverse n.

* INDE : * *

* ET — LIB :

Branch-hand opposite upright of D and space between N and D. Branch nearly or quite touches lower dot of colon. INDE and ET widely spaced. LIB rather close. Colon dots heavy. Lower dot of last colon touches shield. 16⁴—n. 16⁵—n. 28—n. 29—n

Reverse o.

* INDE * *

ETLIB *

Branch-hand opposite D. Branch points at second star. Top leaf disconnected. INDE widely spaced. Letters large. LIB successively low.

Break through lower part of second E, also from left upper corner of L.

28—o. 29²—o. 42—o

Reverse p.

* INDE * *

* ETLIB *

First star close to foot. Last star touches shield and is usually weak. Specimens occur in which only faint traces of the star are found. ND widely spaced. LI very close at bottom. 16⁵—p 29¹—p

Reverse q.

INDE : * * *

* ET LIB : *

Top leaf of branch disconnected to right. A line connects the corners of first E. B successively low and close at bottom. Lower dot of last colon imperfect and touches shield.

Curved breaks from head to pole, and from pole-hand to cinquefoil and milling.

33⁴—q 33¹³—q 33¹⁹—q 33⁴³—q*Reverse r.*

* INDE : * *

* ET LIB :

Var. 1. Branch-hand opposite E. Branch points right of second cinquefoil. Third leaf on left disconnected. Bottom of L high, top leans to left. B struck over a cinquefoil. Lower dot of last colon close to, but clear of shield. In date 1 slants to left and is distant from 7.

33¹⁵—r¹ 33¹⁷—r¹

Var. 2. Branch-hand opposite upright of E and space between D and E. Branch points right of second cinquefoil. Third leaf on right disconnected. B over a cinquefoil. Dots of colon close and heavy. Last colon sloping, the lower dot very close to B.

Late impression show the B slightly open below.

33⁷—r²

Var. 3. Branch-hand opposite upright of E and space between D and E. Branch points at left edge of second cinquefoil. No additional spacing between ET and LIB. Upper dot of last colon low, the lower dot close to but clear of shield. In date 1 and first 7 encroach on date-line. Break along top of NDE to second cinquefoil; also from lower left corner of 1.

31²—r³

Var. 4. Branch-hand opposite E. Branch points at centre of second cinquefoil. B close at bottom. Dots of last colon touch each other, the lower dot half on shield.

31¹—r⁴ 33⁷—r⁴ 33²⁷—r⁴

Var. 5. Branch-hand opposite space between D and E. Branch points at centre of second cinquefoil and terminates near it. Third leaf on left close to colon-dot. Fourth cinquefoil nearer pole than head. Lower line of B prolonged to left of upright. B over a cinquefoil. Lower dot of last colon mostly below B and well clear of shield. Lower date-line lighter than upper and not continuous.

Die-crack through second, third and fourth cinquefoils to pole; another from knee of goddess through right side of first cinquefoil.

This very rare reverse is not found in Hall's printed list. In his later notes he records finding a specimen after twenty years search.

33¹⁷—r⁵*Reverse s.*

* INDE : * *

* ET - LIB : *

Var. 1. Branch ends a little above second cinquefoil and points at border. First 1 low. E in ET leans to left. Second leaf on right of branch long.

Break from milling to front of head. Crack from milling through third cinquefoil.

33³⁹—s¹

Var. 2. Branch ends above second cinquefoil and points to border. Second leaf on left long. E in ET slightly high, the top leaning to left. Lower dot of last colon nearly all below B. First 7 of date encroaches on date-line.

Break from upper left corner of 1.

33^a—s²

Reverse u.

• INDE • •

• ETLIB •

Apparently re-cut from the die of reverse p, the stars having the appearance of trefoils. Letters all badly formed and double cut. Arm holding branch consists of two parallel lines. Date weaker than in reverse p and date-lines further apart.

Only one specimen known.

16⁵—u

Reverse aa.

• FNDE • • • •

• ETLIB • •

r punch used instead of i for first letter of legend. N double cut. Lower line of both E's long. Right arm of T too long, reaching nearly to top of L. In ETLIB T and I high.

32⁵—aa. 32⁸—aa

INDE over FNDE

Reverse bb.

x INDE : - + - - + -

- + - ETLIB :

Crosby gives this reverse in the combination 26—B. With exception of the final R instead of B the legend is the same as reverse a. In some cases it is difficult to determine whether the final letter should be described as B or R. As well defined examples of this reverse do not seem to occur, it is probably a duplication of reverse a.

Reverse cc.

// INDE : ◀◀◀◀

// ET-LIR :

Legend the same as reverse k, except final letter.

Var. 1. Branch-hand opposite D and space between D and E. Top leaf points at large dot of ornament. First scroll clear of goddess. IR successively low. The final R looks somewhat like an open B, the tail not curving to right.

37¹—cc¹

Var. 2. Branch-hand entirely opposite D. Top leaf points to large dot and terminates a little above the colon. ET on higher plane than LIR. R like open B. Lower dot of last colon all below R.

37¹⁴—cc²

Reverse dd.

◀◀ INDE : ◀◀◀◀

◀ ET-LIR : ◀

Crosby combines this reverse—his D—with obverse 37. The legend is identical with reverse HII except the final letter. Compare remark under reverse bb.

Reverse ee.

◀◀ INDE : ◀◀◀◀

◀◀ ET-LIR :

Branch-hand opposite D and space between D and E. Top leaf points to large dot and terminates near it. Lower dot of last colon between tail of R and shield, and close to both.

39²—ee

Reverse ff.

◀◀ INDE : ◀◀

◀◀ ET-LIR : ◀

Legend same as reverse l, except final letter.

Var. 1. Top of highest leaf above right edge of colon. Index finger of pole-hand long and prominent. Second e touches pole-hand. Tail of r sharp. Lower dot of last colon mostly below r. Lower date-line broken above figure 1. 33¹³—ff¹. 34—ff¹

Var. 2. Top of highest leaf opposite right edge of first colon. Fleurons right of head nearly unite. E distant from pole-hand. In ETLIR T high and R low. Last fleuron touches shield. 36—ff² 37¹¹—ff² 39¹—ff²

Reverse gg.

* INDE : * *

* ETLIR : *

Legend same as in reverse t except final letter.

Var. 1. First cinquefoil high. Lower dot of first colon near prominent leaf on left of branch. Last cinquefoil touches shield.

Break from fourth cinquefoil to milling. In some combinations there is a break from waist to D and thence to left to N. 31¹—gg¹ 33¹¹—gg¹ 33²⁰—gg¹ 33³⁸—gg¹ 33²⁹—gg¹

Var. 2. Leaves of branch distant from first colon. T high. Last cinquefoil well separated from shield.

Break from shield through last cinquefoil and above IR to milling.

33¹⁷—gg². 33³¹—gg²*Reverse hh.*

* INDE : * * *

* ETLIR : *

Legend the same as in reverse Z except final R instead of B.

Var. 1. The three cinquefoils after INDE about equidistant. Last cinquefoil partly on shield. Tail of R sharp and close to lower dot of colon. Last colon very low, the lower dot part on shield.

Die-cracks from foot along top of IND; from milling across shield; from date line through date. 30—hh¹

Var. 2. Wider spacing between third and fourth cinquefoils than between second and third. Last colon and last cinquefoil clear of shield. Base line of first E touches lower dot of colon. Tail of R short. All figures below line, 33¹³—hh². 33²³—hh². 33¹³—hh²

Reverse ii.

* INDE : * *

* ETIIB :

Leaves of branch irregular. Nine on left side opposite colon. A short line extends to left from top leaf. Last colon weak, the lower dot partly on shield.

A slight crack from bottom of first i in IIB to upper sash-end.

41—ii.

Reverse kk.

* INDE : * *

* ETIIB : *

Var. 1. Branch-hand mostly opposite space between D and E. Lower dot of last colon partly on shield. Last star distance from colon. 26—kk¹. 40—kk¹

Var. 2. Branch-hand opposite E. Lower dot of last colon well separated from shield. Last star near colon. 42—kk²

Reverse AA.

* INDE : + - + + ETLIB :

Letters large. Branch-hand opposite upright of E. Branch points between the arms of second cross. Hyphen to right touches third cross. TL close at top. B partly on shield. Lower dot of last colon entirely on shield. Pointed end of upper sash opposite upright of T. 26—AA

Reverse BB.

x INDE : + - + - + ETLIB :

Letters large. Branch points at lowest part of second cross. Branch hand opposite right part of E. B partly on shield. Period close to shield. 46—BB

Reverse CC.

+ INDE : - * - * - - + - ET LIB :

Letters small. Top of branch opposite centre of first colon. Last colon clear of shield. Last 7 below date-line. 45—CC

Reverse DD.

- + - INDE : + - + - - + - ET-LIB :

Hyphen to left of first cross distant from goddess, the one to right touches the cross. Hyphen between ET and LIB joins the right top of T. Branch-hand opposite space between D and E. Top leaf points to second cross and is close to it. Lower dot of last colon touches shield. All figures touch date-line. 21—DD

Reverse EE.

* INDE : * - * - - * ET-LIB : *

Branch-hand opposite right part of D and space beyond it. Top of branch touches lower dot of first colon. Cinquefoils rather distant from colons. D low. 33³⁰—EE

Reverse FF.

- + - INDE : + + + ET-LIB :

Letters small. Branch-hand opposite D. Top of upper leaf opposite centre of colon. Lower dot of last colon clear of shield. 1 and both 7's below date line. Slight break from E in ET to edge. 24—FF. 53—FF

Reverse GG.

- + - INDE : - + = + - + - ET-LIB :

Letters small. Branch-hand opposite D and space between ND. Branch has twelve leaves arranged in triplets. Top leaf points at lower dot of first colon. Two hyphens between second and third cross, the upper one sometimes weak. Hyphen to right joins fourth cross. Wide spacing in ND. 38—GG

Reverse HH.

» « INDE : « « « « « ET-LIB : «

Legend the same as dd except final letter.

Branch-hand opposite space between ND. Top leaf very close to lower right corner of E. Hyphen in ET-LIB short. Lower line of B weak, in most specimens making the

B look like R. This circumstance doubtless explains Crosby's reverse *D*, which has been retained in this list as *dd*. Unless some other difference should be discovered in the dies the reverse *dd* should be eliminated. 37¹³—III 37⁸—III

Reverse II.

* INDE * * * * * ET LIB *

Legend has six cinquefoils without other punctuation. INDE widely spaced. Letters in ET LIB irregular, the E and B low; B from altered R punch. Date-line triple.

Break from milling between third and fourth cinquefoils.

33²²—II. Ryder Collection. Unique

Reverse KK.

* INDE : * * * * * ET LIB :

First E altered from an F. Lower part of L imperfect, probably altered from an I. First colon inclines to right, the dots large and well spaced. Figure 1 low leaning to left. Lower date-line defective. 33⁶—KK

Reverse LL.

* INDE : * * * * * ET • LIB :

Stars with blunt rays. Upper leaf on left of branch close to colon. Wide spacing between II. Corner of E touches pole-hand. A short line just right of the space between the dots of the first colon. 37⁸—LL. 37¹²—LL

Reverse NN.

* INDE : * * * * * ET • LIB :

Stars with blunt rays. Legend similar to reverse N, except period substituted for hyphen in ET LIB.

Var. 1. Branch points left of second star. Second leaf on left points at lower left corner of E. Top of E in ET above top of T. Last colon slopes to right, the lower dot small and near shield. The date-lines heavy and merging together at both ends. 16²—NN¹

Var. 2. Branch points at centre of second star. Third leaf on left points at up-right of E. Top of E in ET about in line with top of T. LIB low. Lower dot of last colon more distant from shield than in Var. 1. Date-line quadruple, the lowest line light and running through the tops of the figures. Small 8 in date. 16⁶—NN²

Reverse RR

» INDE : » » » » » ET-LIB : »

Branch-hand opposite space between D and E. Top leaf points at centre of large dot. B low and apparently altered from R. Tip of last fleuron touches shield. In date 1 high, last 7 low. 37⁷—RR. 37¹⁰—RR

Reverse SS

* INDE : * * * * * — * ET • LIB : *

Cinquefoils heavy. Top leaf points at lower dot of first colon. Lower left corner of E in ET above opposite wrist of pole-arm. First I high, leaning to left. T high. Last 7 below date-line. 33³⁰—SS. 33³⁶—SS

Reverse TT.

-- ♦ - INDE : ♦ -

- ♦ - ETLIB : ♦

Dr. Hall describes this reverse as follows: "Specimens examined four. Traces of other hyphens. Bottoms of I and N in same curve. Wide spacing in IND. Branch points at lower period of first colon. Branch-hand opposite upright of D and space between N and D. Hyphen to right connects with fourth cinquefoil. Cinquefoils heavy."

37¹²—TT*Reverse VV.*

INDE

ETLIB ♦

Branch-hand opposite lower right corner of E. From Dr. Hall's later notes.

1¹—VV*Reverse WW.*

ET LIB

INDE ♦

Liberty reversed, holding staff with Liberty Cap in right hand, branch in left. Dr. Hall's later notes.

1⁴—WW

1788 — OBERVERSE

Obverses 1 to 6 inclusive have mailed busts facing right.

Obverses 7 to 13 inclusive have mailed busts facing left.

Obverses 14 to 17 inclusive have draped busts.

Obverse 1.

AUCTORI

CONNEC

Smallest head of the year. Same as obv. 1 of 1787.

1—I (R⁶)*Obverse 2.*

* AUCTORI *

CONNEC *

Stars with five sharp points. Period distant from 1. Break connects first star with foot of A. Later breaks from lower left corner of mail to border, from top of wreath to border and from last star to milling.

2—D (R²)*Obverse 3.*

* AUCTORI *

* CONNec *

Var. 1. Stars with six points. First star double cut. Top of wreath projects considerably above head. Last star near mail.

3¹—B¹ (R⁵)

Var. 2. Similar to Var. 1 but no double cutting of first star.

3²—B² (R⁵) >>*Obverse 4.*

AUCTORI *

* CONNec *

Var. 1. Stars with six points. First star over head. Second star near top leaf of wreath. CONNec widely spaced.

4¹—B¹ (R⁵). 4¹—K. (R⁴)

Var. 2. Second star about midway between top leaf of wreath and c. First c in CONNec low.

4²—R (R⁶)

Obverse 5.

* AUCTORI * * CONNEC *

Stars with six points. First star close to both mail and A. Tail of R joins base of I. NN widely spaced. 5—B² (R⁵)

Obverse 6.

AUCTORI * * CONNEC *

Stars with six points. Stars distant from letters. Tail of R heavy and well separated from base of I. Break or imperfection in die, connecting lips with chin. A rare variety seldom obtainable in good condition. 6—H (R⁶)

Obverse 7.

* AUCTORI. * * CONNEC *

In this and the five following obverses the mailed bust faces left. Stars with five blind points. First and last stars touch mail. Twelve leaves in triplets. A slopes to left. NN wide. Curved break from lowest eurl. 7—E (R⁴). 7—F (R⁶). 7—K (R⁵)

Obverse 8.

AUCTORI. * CONNEC *

Twelve leaves in triplets. Period after I close to forehead. Defect, resembling a misplaced period, on the lower curve of final C. CONNEC weak, the die showing injury. Same die as obv. 12 of 1787. 8—K. (R⁵)

Obverse 9.

AUCTORI CONNEC *

Star with six sharp points. Wreath with seven outlined leaves. Some specimens show tops of two S's incused above head near upper leaf. Coarse, serrated milling. 9—E. (R⁴)

Obverse 10.

AUCTORI * * CONNEC *

Stars with six points. In obverse 6 which has the same legend the bust faces right and the features and style of bust are quite different. 10—C. (R⁵)

Obverse 11.

* AUCTORI * * CONNEC *

Stars with six points. First star near A. Point of second star barely touches head. Last star distant from C and mail. 11—G (R²)

Obverse 12.

* AUCTORI * * CONNEC *

Same punctuation as in Obv. 7 except that stars have six instead of five points.

Var. 1. First star midway between A and mail. Third star partly in head. Three berries in wreath. Short line from lower fillet-end. When connected with Rev. E this die is generally found badly shattered on the head and in both fields.

12¹—E (R³). 12¹—F (R³)

Var. 2. First star near A. Third star clear of head. No berries in wreath.

12²—C (R³). 12²—E (R³)

Obverse 13.

* AUCTORI * * CONNLC *

AU widely spaced. Last c large and low. Last cinquefoil distant from c.

13—A¹ (R⁴)

Obverse 14.

* AUCTORI * * CONNEC *

Draped bust facing left.

Var. 1. First cinquefoil near point of bust, its upper edge about in line with the top of A. Second cinquefoil to left of hair. Last cinquefoil connects c with toga. Most letters closely spaced. c touches head.

14¹—L² (R⁴)

Var. 2. First cinquefoil opposite middle of A. Second cinquefoil entirely above hair. Last cinquefoil between the ends of the toga. Legend widely spaced. c in CONNEC clear of head.

14²—A² (R⁴)

Obverse 15.

* AUCTORI * * CONNEC *

Draped bust facing left.

Var. 1. Third cinquefoil close to head and much nearer to c than to wreath. Last cinquefoil between ends of toga. Lower fillet-end points to period, which is a little nearer c than toga. Scratches in die extending downward from tail of R and base of L. Break from nose along left edge of o.

15¹—L¹ (R⁴)

Var. 2. Third cinquefoil rather nearer to wreath than to c. Last cinquefoil partly above end of toga and midway between period and toga. Period opposite upper fillet-end. Break from milling touching final c.

15²—P (R⁴)

Var. 3. First cinquefoil high, nearly half under and distant from bust. A small and low. cr wide. c very close to head, o more distant. ec close. Break from milling through left part of final c as in 15². Only known specimen in poor condition. Canfield collection.

15³—P (R⁶)

Obverse 16.

* AUCTORI * * CONNEC *

Draped bust facing left.

Var. 1. First cinquefoil high, partly under bust. Second cinquefoil distant from period and hair. Third cinquefoil nearer c than wreath. Last cinquefoil near end of toga and partly above it. Last period below fillet-ends. o in CONNEC distant from head. co rather widely spaced.

Good specimens show an additional cinquefoil, probably accidental, within the drapery near the centre of its lower edge.

16¹—D (R²). 16¹—II (R²)

Var. 2. Cinquefoil large. First low, entirely left of bust. Second and third near wreath. Last cinquefoil high, partly above end of toga. Last period opposite upper fillet-end and mostly below c. c clear of head, o rather distant. NN widely spaced.

16²—O (R⁴)

one found
over 1787
1-B 1787

Var. 3. First cinquefoil high, about half under bust. Second distant from hair, partly above it. Third nearer c than wreath. Last cinquefoil distant from toga, close to border. First period partly below i. Upper fillet-end points to last period. First c large and high. AUC more widely spaced than following letters. c partly on head, o close, leaning to left. Break from toga to a point near lower fillet-end. 16³—N (R²)

Var. 4. First cinquefoil a trifle high, entirely left of bust. Second distant to left of wreath. Third high, distant from c and wreath. Last cinquefoil nearer colon than toga. Both periods below letters. c touches head, o rather distant from head and c.

16⁴—L² (R⁴)

Var. 5. Letters small and light. First cinquefoil about half under and touching bust. RI more widely spaced than other letters of AUCTORI. First period small and distant from base of i. Third cinquefoil much nearer c than wreath. c just touches head, o not so close as in 16⁶, but closer than in 16¹. Letters in CONNEC irregular, the first N high, the c low. Lower fillet-end points at last cinquefoil.

16⁵—H (R⁴)

Var. 6. The die of 16⁵ recut. Letters much heavier, the i especially thick and badly shaped. R and i closer than in 16⁵. First period close to base of i. Last period close to final cinquefoil. Lower part of c on head, o very close. Lower fillet-end opposite last colon.

16⁶—II (R⁵)

Obverse 17.

• AUCTORI •

• CONNLC •

Draped bust facing left. First cinquefoil entirely left of bust and rather near A. Last cinquefoil between ends of toga. Both fillet-ends opposite final c. First c in CONNEC clear of head. Final c low. Last period below fillet-ends and close to end of toga.

17—O (R⁵). 17—Q (R⁵)

1788 — REVERSE

Reverse A.

• INDE • ET •

• LIB •

Var. 1. D large and extending above the other letters in INDE. Leaves of branch erude. No top leaf. A small twig from top of stem points to lower right corner of E. ET close.

Break downward from knee touching i and first cinquefoil. 13—A¹

Var. 2. Bottom of D below that of E. Leaves better formed. Top leaf just below the middle of the base line of E. ET and LIB widely spaced. In date 78 low. 14²—A²

Reverse B.

INDE • ET

LIB •

Var. 1. Star after INDE low. Branch-hand opposite right part of E. Second leaf on left points to the star. In date both S's slant to right. Heavy serrated milling.

3¹—B¹. 4¹—B¹

Var. 2. D wide. Branch-hand opposite E. Second leaf on left points to lower right corner of E in INDE. In date 1 distant from 7.

3²—B². 5—B²

4¹ 11

Reverse C.

INDE * ET

LIB *

Branch-hand opposite right part of D and space between D and E. Top of branch points to right of first star. 1 and last S encroach on date-line.

Break from last cinquefoil downward to edge opposite lower part of shield.

10—C. 12²—C*Reverse D.*

INDE * ET *

LIB *

Branch-hand points at first star. Top of branch points at base of T.

Breaks at E in ET, and I in LIB. Also later at foot of Liberty and from B to shield.

2—D. 16¹—D*Reverse E.*

INDE * ET *

* LIB *

Branch-hand opposite E. Branch points to lower left corner of E in ET. Branch curve of shield and from last cinquefoil to milling. 6—H. 16¹—H, 16⁵—H, 16⁶—H

Reverse F.

INDE * ET *

* LIB *

First star near E in ET. Third star between head and pole. Last star low. Branch points at edge of first star. A line parallel to the upright joins the left corners of B.

7—F. 12¹—F

Reverse G.

INDE * ET *

* LIB *

Branch-hand opposite space between D and E. Branch short pointing to edge of star. Third star between pole-hand and D. Both 8's slope to right.

11—G

Reverse H.

* INDE. * *

* ETLIB. *

Branch-hand opposite D. Branch points at first period. Fourth cinquefoil between head and pole. INDE widely spaced. ETL close. 7 low. Die-cracks occur from D to a point below knee of goddess, thence downward to edge; along top of ETL; through lower narrow with small leaves. Coarse milling.

7—E. 9—E. 12¹—E. 12²—E*Reverse I.*

INDE ×

ET • LIB ×

T, widely spaced. Same die as Crosby's reverse B of the Vermont cent of 1788.

1—I

Reverse K.

* INDE *

ET * LIB *

First star much nearer to I than to foot. Star between T and L close to both letters. First I imperfect at top. Branch ends opposite right corner of E. 4¹—K. 7—K. 8—K

Reverse L.

* INDE • ET * * LIB. *

Var. 1. First cinquefoil near foot; third between head and pole; last close to lower part of shield. Branch broad. Top leaf opposite middle of upright of E in ET. Two bow-strings below hair puff. LIB wide. 15¹—L¹

Var. 2. First cinquefoil about equidistant from foot and I. Second cinquefoil low, opposite face. Top leaf near upper left corner of E in ET. One leaf on right touches lower left corner of same E. E low in INDE, high in ET. Last period distant from B. 78 low. No bow-strings. 14¹—L². 16⁴—L²

Reverse M.

INDE • ET * * * LIB. *

Crosby gives this reverse combined with Obv. 15. Have met with no specimens.

Reverse N.

* IN DE. * * * ET LIB. *

Branch-hand opposite D and space to left. Top leaf points at first period. Last period half on shield. S's high and widely spaced.

Oceasional specimens are found on large planchets, the dies showing wear. On these pieces the periods are elongated and the lettering fine and irregular. The pole-hand and parts of the date-line are lacking. 16³—N

Reverse O.

* INDL. ET * * * LIB. *

Branch-hand mostly opposite space between L and period. Top leaf ends between E and T. Last cinquefoil distant from period and shield. Bow-strings below hair-puff. Pole has Liberty cap. 16²—O. 17—O

Reverse P.

* INDE • ET * * * LIB. *

Branch-hand opposite period. Top-leaf points at T. Last cinquefoil distant from period and near shield. 15²—P. 15³—P

Reverse Q.

* INDE • ET * * * LIB. *

Branch-hand opposite space between E and period. Two bow-strings below hair-puff. A plume curves downward and backward from top of hair-puff.

Irregular break from lower right corner of E in INDE to first cinquefoil. 17—Q

Reverse R.

×*INDE**ET× * * LIB *

Top of upper leaf of branch about opposite lower right corner of D. Specimens too poor for better description. 4²—R

LIST OF VARIETIES AND COMBINATIONS.

1785

Obv.	Rev.	Rarity	Obv.	Rev.	Rarity	Obv.	Rev.	Rarity
1	E	R ⁴	3 ⁵	K ²	R ⁵	6 ²	F ¹	R ⁴
2	A ¹	R ³	4 ¹	F ⁴	R ¹	6 ³	G ¹	R ³
2	A ⁴	R ³	4 ²	F ⁴	R ⁶	6 ³	G ²	R ⁴
3 ¹	A ³	R ³	4 ³	A ²	R ³	6 ⁴	F ⁵	R ⁵
3 ¹	L	R ⁴	4 ³	D	R ⁴	6 ⁴	I	R ³
3 ²	L	R ³	4 ⁴	C	R ⁴	6 ⁴	K ¹	R ⁵
3 ³	F ³	R ⁴	4 ⁴	D	R ⁴	6 ⁵	M	R ⁵
3 ⁴	F ¹	R ³	5 ¹	F ⁵	R ⁴	7	D	R ⁵
3 ⁴	F ²	R ³	5 ²	F ⁵	R ⁴	8	D	R ⁶
3 ⁵	B	R ²	6 ¹	A ¹	R ³			

1786

Obv.	Rev.	Rarity	Obv.	Rev.	Rarity	Obv.	Rev.	Rarity
1	A	R ⁴	5 ³	B ²	R ⁶	5 ⁸	O ²	R ³
2 ¹	A	R ³	5 ³	G	R ⁵	5 ⁹	B ¹	R ⁴
2 ¹	D ³	R ⁶	5 ³	N	R ³	5 ⁹	Q	R ⁵
2 ²	D ²	R ⁵	5 ⁴	G	R ²	5 ¹⁰	L	R ⁴
3	D ¹	R ⁴	5 ⁴	N	R ⁶	5 ¹⁰	P	R ⁵
3	D ⁴	R ⁶	5 ⁴	O ¹	R ²	5 ¹¹	R	R ⁵
4 ¹	G	R ²	5 ⁵	M	R ³	5 ¹²	L	R ⁶
4 ²	R	R ⁵	5 ⁶	M	R ⁵	6	K	R ⁵
5 ¹	H ¹	R ⁵	5 ⁷	H ¹	R ⁴	7	K	R ⁶
5 ²	H ¹	R ⁵	5 ⁷	O ²	R ⁵	8	O ¹	R ⁶
5 ²	I	R ³	5 ⁸	F	R ⁵			
5 ²	O ²	R ⁵	5 ⁸	H ²	R ⁵			

1787

Obv.	Rev.	Rarity	Corresponding Numbers in Hall	Obv.	Rev.	Rarity	Corresponding Numbers in Hall	Obv.	Rev.	Rarity	Corresponding Numbers in Hall
1 ¹	A	R ³	1 ¹ -A	8	N	R ³	8-N	15	F	R ³	15-F*
1 ¹	VV	R ⁶	(1 ¹ -VV)	8	O	R ³	8-O	15	R	R ⁶	15-R
1 ²	C	R ³	1 ² -C	9	D	R ⁴	9-D	15	S	R ⁵	15-S
1 ³	L	R ⁴	1 ³ -L	9	E	R ⁴	9-E	16 ¹	m	R ³	16 ¹ -M ¹
1 ⁴	WW	R ⁶	(1 ⁴ -WW)	9	R	R ⁵	9-R	16 ²	NN ¹	R ⁴	16 ² -NN
2	B	R ³	2-B	10	E	R ⁵	10-E	16 ³	l ²	R ⁴	16 ³ -L ¹⁻²
3	G	R ⁵	3-G	11 ¹	E	R ³	11 ¹ -E	16 ⁴	v	R ⁴	16 ⁴ -N ¹
4	L	C	4-L	11 ²	K	R ³	11 ² -K	16 ⁵	n	R ³	16 ⁵ -N ¹
5	P	R ⁶	5-P	11 ³	K	R ⁶	—	16 ⁵	p	R ⁵	—
6 ¹	M	R ¹	6 ¹ -M	12	Q	R ⁴	12-Q	16 ⁵	u	R ⁶	—
6 ²	M	R ³	6 ² -M	13	D	R ³	13-D	16 ⁶	NN ²	R ⁶	—
7	I	R ⁴	7-I	14	H	R ³	14-H	17	g ⁵	R ³	17-G ¹⁻³

1787

Obv.	Rev.	Rarity	Corresponding Numbers in Hall	Obv.	Rev.	Rarity	Corresponding Numbers in Hall	Obv.	Rev.	Rarity	Corresponding Numbers in Hall
18	g ¹	R ³	18-G ¹ -1	33 ⁷	r ²	C	33 ⁷ -R ¹ -2	33 ²⁹	Z ⁷	R ⁴	33 ³⁸ -Z-7
19	g ⁴	R ²	19-G ¹ -4	33 ⁷	r ⁴	R ⁶	33 ⁷ -R ¹ -4	33 ²⁹	gg ¹	R ⁴	33 ³⁸ -G ² -1
20	a ²	R ³	20-A ¹ -2	33 ⁷	Z ¹⁰	R ⁶	33 ⁷ -Z-10	33 ³⁰	EE	R ⁵	33 ³⁹ -EE
21	DD	R ⁴	54-DD	33 ⁸	Z ¹³	R ⁴	33 ⁸ -Z-13	33 ³⁰	SS	R ⁶	33 ³⁹ -SS
22	g ²	R ⁵	22-G ¹ -2	33 ⁸	Z ¹⁹	R ⁵	33 ⁸ -Z-19	33 ³¹	gg ²	R ⁵	33 ³⁷ -G ² -2
24	g ³	R ⁴	24-G ¹ -3	33 ⁹	s ²	R ²	33 ¹ -S ¹ -2	33 ³²	Z ¹³	R ¹	33 ³⁵ -Z-13
24	g ⁵	R ⁴	24-G ¹ -5	33 ¹⁰	Z ⁷	R ⁵	33 ⁴ -Z-7	33 ³³	Z ³	R ⁴	33 ³⁰ -Z-3
24	FF	R ⁶	24-FF	33 ¹⁰	Z ⁸	R ⁴	33 ⁴ -Z-8	33 ³³	Z ¹¹	R ³	33 ³⁰ -Z-11
25	b	R ³	25-B ¹	33 ¹⁰	W ⁶	R ⁶	—	33 ³⁴	W ²	R ⁵	33 ³¹ -W-2
25	m	R ⁵	25-M ¹	33 ¹¹	Z ¹⁸	R ⁵	33 ¹⁵ -Z-18	33 ³⁴	Z ³	R ⁵	33 ³¹ -Z-3
26	a ¹	R ⁵	26-A ¹ -1	33 ¹¹	gg ¹	R ⁵	33 ¹⁵ -G ² -1	33 ³⁴	Z ¹¹	R ⁵	33 ³¹ -Z-11
26	kk ¹	R ⁴	26-K ² -1	33 ¹²	W ³	R ⁵	33 ¹⁴ -W-3	33 ³⁵	Z ⁹	R ⁶	33 ⁴¹ -Z-9
26	AA	R ³	26-AA	33 ¹²	Z ¹⁶	R ³	33 ¹⁴ -Z-16	33 ³⁶	T ¹	R ³	33 ³³ -T-1
27	a ¹	R ⁵	27-A ¹ -1	33 ¹²	Z ²¹	R ⁵	33 ¹⁴ -Z-21	33 ³⁶	T ²	R ¹	33 ³³ -T-2
28	m	R ³	28-M ¹	33 ¹²	Z ²⁴	R ⁶	33 ¹⁴ -Z-24	33 ³⁶	SS	R ⁶	33 ³³ -SS
28	n	R ⁵	28-N ¹	33 ¹³	Z ¹	R ⁵	33 ¹¹ -Z-1	33 ³⁷	Z ⁹	R ³	33 ³² -Z-9
28	o	R ⁶	—	33 ¹³	Z ⁶	R ⁴	33 ¹¹ -Z-6	33 ³⁸	Z ¹	R ³	33 ³⁶ -Z-1
29 ¹	a ²	R ⁵	29-A ¹ -2	33 ¹³	Z ⁷	R ⁴	33 ¹¹ -Z-7	33 ³⁸	Z ⁶	R ⁴	33 ³⁸ -Z-6
29 ¹	n	R ⁶	29-N ¹	33 ¹³	q	R ⁵	33 ¹¹ -Q ¹	33 ³⁸	Z ¹⁸	R ⁶	—
29 ¹	p	R ⁴	29-P ¹	33 ¹³	ff ¹	R ⁶	33 ¹¹ -F ² -1	33 ³⁸	Z ²³	R ⁵	33 ³⁸ -Z-23
29 ²	N	R ⁶	—	33 ¹³	hh ²	R ⁶	33 ¹¹ -H ² -2	33 ³⁸	gg ¹	R ⁵	33 ³⁸ -G ² -1
29 ²	o	R ⁵	51-O ¹	33 ¹⁴	Z ¹⁴	R ³	33 ¹⁷ -Z-14	33 ³⁹	Z ²⁰	R ⁶	33 ³⁴ -Z-20
30	hh ¹	R ²	30-H ² -1	33 ¹⁵	r ¹	R ¹	33 ⁵ -R ¹ -1	33 ³⁹	s ¹	C	33 ³⁴ -S ¹ -1
30	X ¹	R ³	30-X-1	33 ¹⁶	l ²	R ⁴	33 ⁶ -L ¹ -2	33 ⁴⁰	Z ¹	R ⁵	33 ²⁹ -Z-1
31 ¹	gg ¹	R ³	31 ¹ -G ² -1	33 ¹⁶	T ²	R ⁶	—	33 ⁴⁰	Z ²	R ⁵	33 ²⁹ -Z-2
31 ¹	r ¹	R ¹	31 ¹ -R ¹ -4	33 ¹⁶	Z ¹⁵	R ¹	33 ⁶ -Z-15	33 ⁴¹	Z ¹¹	R ⁶	33 ⁴⁰ -Z-11
31 ²	r ³	C	31 ² -R ¹ -3	33 ¹⁷	r ¹	R ³	33 ¹³ -R ¹ -1	33 ⁴²	Z ²	R ⁶	33 ⁵⁰ -Z-2
32 ¹	X ³	R ²	32 ¹ -X-3	33 ¹⁷	r ⁵	R ⁶	(33 ¹³ -R ¹ -5)	33 ⁴³	q	R ⁴	33 ⁴⁴ -Q ¹
32 ²	X ¹	C	32 ² -X-1	33 ¹⁷	gg ²	R ²	33 ¹³ -G ² -2	33 ⁴³	hh ²	R ⁴	33 ⁴⁴ -H ² -2
32 ²	X ²	R ¹	32 ² -X-2	33 ¹⁸	Z ²⁴	R ⁶	—	33 ⁴⁴	W ³	R ⁵	33 ⁴⁵ -W-3
32 ²	X ⁴	R ⁵	32 ² -X-4	33 ¹⁹	Z ¹	C	33 ¹⁹ -Z-1	33 ⁴⁵	W ²	R ⁵	33 ⁴⁶ -W-2
32 ³	X ⁴	C	32 ³ -X-4	33 ¹⁹	Z ²	R ³	33 ¹⁹ -Z-2	34	k ³	R ⁶	34-K ¹ -3
32 ⁴	X ⁵	R ⁴	32 ⁴ -X-5	33 ¹⁹	q	R ⁵	33 ¹⁹ -Q ¹	34	ff ¹	R ³	34-F ² -1
32 ⁴	Z ³	R ⁵	32 ⁴ -Z-3	33 ²⁰	Z ⁹	R ⁴	33 ² -Z-9	36	k ³	R ⁵	36-K ¹ -3
32 ⁵	aa	R ³	32 ⁵ -A ²	33 ²⁰	Z ¹¹	R ⁶	—	36	l ¹	R ³	36-L ¹ -1
32 ⁶	X ⁶	R ⁵	32 ⁶ -X-6	33 ²¹	Z ¹³	R ⁶	(33 ²⁰ -Z-13)	36	ff ²	R ⁵	36-F ² -2
32 ⁷	X ¹	R ⁵	32 ⁷ -X-1	33 ²²	II	R ⁶	—	37 ¹	cc ¹	R ²	37 ⁴ -C ² -1
32 ⁸	aa	R ⁵	32 ² -A ²	33 ²³	Z ⁴	R ²	33 ²¹ -Z-4	37 ²	k ⁵	R ³	37 ¹² -K ¹ -5
33 ¹	Z ¹³	R ⁴	33 ¹⁶ -Z-13	33 ²³	hh ²	R ⁵	33 ²¹ -H ² -2	37 ³	i	R ²	37 ⁹ -I ¹
33 ¹	Z ¹⁹	R ⁵	33 ¹⁶ -Z-19	33 ²⁴	Z ¹⁰	R ⁶	33 ²² -Z-10	37 ⁴	k ¹	R ¹	37 ⁸ -K ¹ -1
33 ²	Z ⁵	C	33 ¹² -Z-5	33 ²⁵	Z ¹⁰	R ⁴	33 ²⁵ -Z-10	37 ⁴	RR	R ⁶	—
33 ²	Z ¹²	C	33 ¹² -Z-12	33 ²⁵	Z ²⁴	R ⁵	33 ²⁵ -Z-24	37 ⁵	e	R ²	37 ⁷ -E ¹
33 ²	Z ¹⁷	R ⁴	33 ¹² -Z-17	33 ²⁵	W ³	R ⁵	33 ²⁵ -W-3	37 ⁶	k ⁴	R ⁴	37 ¹¹ -12 ¹ -4
33 ²	Z ²¹	R ⁵	33 ¹² -Z-21	33 ²⁶	W ³	R ⁵	33 ²⁶ -W-3	37 ⁶	B	R ⁶	37 ¹¹ -B
33 ²	Z ²²	R ⁴	33 ¹² -Z-22	33 ²⁶	W ⁵	R ⁶	33 ²⁶ -W-5	37 ⁷	h ²	R ⁵	37 ¹³ -H ¹ -2
33 ³	W ¹	R ³	33 ³ -W-1	33 ²⁷	r ⁴	R ⁴	33 ²³ -R ¹ -4	37 ⁸	k ²	R ²	37 ⁵ -K ¹ -2
33 ⁴	q	R ⁴	33 ¹³ -Q-1	33 ²⁷	Z ¹⁶	R ⁶	33 ²³ -Z-16	37 ⁸	HH	R ³	37 ⁵ -HH
33 ⁴	Z ²	R ⁵	33 ¹³ -Z-2	33 ²⁸	Z ¹¹	R ³	33 ²⁴ -Z-11	37 ⁸	LL	R ³	37 ⁵ -LL
33 ⁵	T ²	R ³	33 ⁹ -T-2	33 ²⁸	Z ¹⁶	R ³	33 ²⁴ -Z-16	37 ⁹	e	R ³	37 ⁶ -E ¹
33 ⁶	KK	R ¹	33 ¹⁰ -KK	33 ²⁸	Z ²⁰	R ⁶	33 ²⁴ -Z-20	37 ¹⁰	RR	R ⁴	37 ¹⁰ -RR

1787

Obv.	Rev.	Rarity	Corresponding Numbers in Hall	Obv.	Rev.	Rarity	Corresponding Numbers in Hall	Obv.	Rev.	Rarity	Corresponding Numbers in Hall
37 ¹¹	ff ²	R ³	37 ² -F ² -2	40	N	R ⁵	40-N	46	BB	R ⁴	46-BB
37 ¹²	LL	R ⁴	37 ¹ -LL	40	kk ¹	R ⁵	40-K ² -1	47	a ³	R ⁵	47-?
37 ¹²	TT	R ⁵	37 ¹ -TT	41	ii	R ³	41-I ²	48	g ⁵	R ⁵	48-G ¹ -5
37 ¹³	HH	R ²	37 ³ -HH	42	o	R ⁶	42-O ¹	49	Z ¹	R ⁶	49-Z ⁻¹
37 ¹⁴	cc ²	R ⁶	37 ¹¹ -C ² -2	42	kk ²	R ²	42-K ² -2	50	F	R ⁵	50-F*
38	GG	R ²	38-GG	43	Y	C	43-Y	(29 ²)	o)		51-O ¹
38	l ²	R ³	38-L ¹ -2	44	W ⁴	R ²	44-W-4	52	G	R ⁶	52-G
39 ¹	h ¹	R ⁵	39 ¹ -H ¹ -1	44	W ⁵	R ⁵	44-W-5	53	FF	R ⁴	53-FF
39 ¹	ff ²	R ⁵	39 ¹ -F ² -2	44	Z ¹⁰	R ⁵	44-Z-10	(21)	DD)		54-DD
39 ²	ee	R ⁴	39 ² -E ²	45	CC	R ⁴	45-CC	55	F	R ⁶	(55-F*)

1788

Obv.	Rev.	Rarity	Obv.	Rev.	Rarity	Obv.	Rev.	Rarity
1	I	R ⁶	8	K	R ⁵	15 ²	P	R ⁴
2	D	R ²	9	E	R ⁴	15 ³	P	R ⁶
3 ¹	B ¹	R ⁶	10	C	R ⁵	16 ¹	D	R ²
3 ²	B ²	R ⁵	11	G	R ²	16 ¹	H	R ²
4 ¹	B ¹	R ⁵	12 ¹	E	R ³	16 ²	O	R ⁴
4 ¹	K	R ⁴	12 ¹	F	R ³	16 ³	N	R ²
4 ²	R	R ⁶	12 ²	C	R ³	16 ⁴	L ²	R ⁴
5	B ²	R ⁵	12 ²	E	R ³	16-5	H	R ⁴
6	H	R ⁶	13	A ¹	R ⁴	16-6	H	R ⁵
7	E	R ⁴	14 ¹	L ²	R ⁴	17	O	R ⁵
7	F	R ⁶	14 ²	A ²	R ⁴	17	Q	R ⁵
7	K	R ⁵	15 ¹	L ¹	R ⁴			

NOTE

It seems fitting that the foregoing should not be published without an expression of the loss which numismatists feel at the untimely death of the author, Mr. Henry Clay Miller, on February 6th, 1920. The preparation of the material was a great pleasure to Mr. Miller. The completed work shows the painstaking and systematic manner in which the task was done. The final manuscript revision was finished but a short time before Mr. Miller's sudden death. Some slight errors have possibly occurred in the printed pages through not having had the benefit of the Author's proof reading.



2—A¹



3¹—L



3⁴—F²



4¹—F⁴



4³—A²



5¹—F⁵



6¹



6²—F¹

6³



6⁵

1



6⁴

K¹



M

7



D

8



1



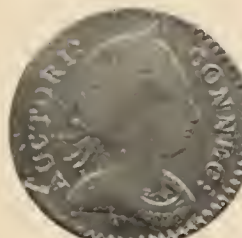
A



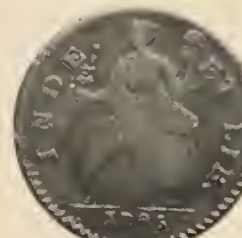
2¹



D³



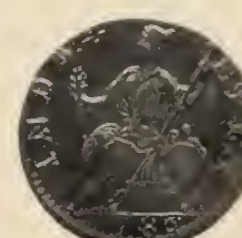
3



D⁴



4¹—G



D⁴



B²



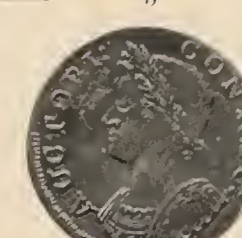
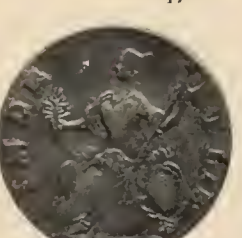
5³



N



5⁴—O¹



5⁵—M



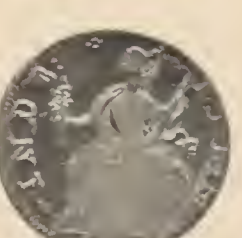
5¹⁰—L



5¹¹—R



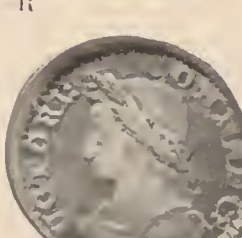
6



K



7



X



A



1¹



VV



8



1²—C



3—G



6¹



M



6²



9



F



15



S



R



21—DD



27—a



28—m



32ⁿ—X⁶





328—aa



3310—W⁶



3318—Z²⁴



3341—Z¹¹



34—ff



3710—RR



38—GG



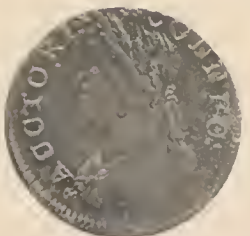
39—h¹



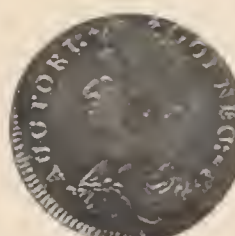
40—N



41—ii



46—BB



53—FF





1—I



3¹—B¹



4¹—K



5—B²



6—H



9—E



10—C



11—G



12¹—F



15¹—L¹



16⁴—L²



17—Q



THE COLONIAL COINS OF VERMONT

BY HILLYER RYDER

Vermont, the first State to authorize a coinage, passed an act June 15, 1785, granting Reuben Harmon Jr., of Rupert, Vt. the right to coin copper. His "Mint" was located at Rupert on a small stream known as Mill Brook. Colonel William Cooley a goldsmith from New York City made some of the dies and assisted in striking the coins. William Buel also assisted in striking the coins having removed his manufactory from New Haven to Rupert, where in connection with Mr. Harmon the business was carried on. It is probable that James F. Atlee also cut some of the dies used here. It is said that the Mint finally ceased to pay expenses for the reason that the "British imported so many of the 'Bung Town' Coppers." It is possible that counterfeit British half pence were also coined here.

The following thirty one varieties of Vermont cents were probably all struck at this Mint.

1. 1785. Mailed bust, laureated, facing right.

VERMON AUCTORI

Rev. Seated figure of Goddess of Liberty facing right, holding with her right hand, flag surmounted with cap. Her left hand extended, holding scales of justice. (R⁵)

IMMUNE COLUMBIA • 1785.

This reverse is from the die first used with two varieties of the NOVA CONSTELLATIO series, then with obverse of counterfeit British halfpenny and the above Vermont obverse.

2. 1785. The sun rising from behind a range of mountains with eight trees. A plough in the field below.

VERMONTS • RES • PUBLICA • 1785 •

One ray of the sun points at the period after RES.

Rev. An eye within a circle from which issue thirteen long rays, alternating with thirteen short ones and a circle of thirteen stars.

STELLA • QUARTA • DECIMA •

One long ray points directly at Q. (R³)

3. 1785. Device and legend similar to No. 2. One ray of the sun points to the right of the period after RES. (R³)

Rev. Device and legend similar to No. 2. One long ray points to left upright of U.

4. 1785. The sun rising from behind a range of mountains with eight trees. A plough in the field below.

VERMONTIS. RES. PUBLICA • 1785 •

Rev. Device and legend similar, but not from same die as Nos. 2 or 3. One ray points at left foot of v. (R³)

5. 1785. The sun rising from behind a range of mountains that appear to be thickly wooded. The legend encircles the device and date. The sun rises at the left instead of the right as in the other varieties. A line separates the date from the device.

VERMONTIS RES PUBLICA 1785

Rev. Similar to Nos. 2, 3 and 4. Instead of an eye in the centre, this has the face of a sun. The rays are single, pointed and composed of fine lines of unequal length. (R⁶)

STELLA QUARTA DECIMA.

A number of specimens exist which apparently are counterfeits of this variety. They lack sharpness of detail and may be casts.

6. 1786. The sun rising from behind a range of mountains with seven trees. A plough in the field below.

VERMONTENSIVM • RES • PUBLICA • 1786 •

The v in PUBLICA is double-cut below.

Rev. Thirteen rays each composed of fine lines of unequal lengths, the points intersecting a circle of thirteen stars.

STELLA • QUARTA • DECIMA •

One ray points to the right edge of q. (R³)

7. 1786. The sun rising from behind a range of mountains with nine trees. A plough in the field below

VERMONTENSIVM • RES • PUBLICA • 1786 •

The v in PUBLICA is double-cut at the left, and the 6 of date close to the plough.

Rev. Device and legend similar to No. 6. One ray points full to the left of q. (R²)

8. 1786. The sun rising from behind a range of mountains with nine trees. A plough in the field below.

VERMONTENSIVM • RES • PUBLICA • 1786 •

Figure 1 of date double-cut at the right and the top of same is midway between period and left of ploughshare.

Rev. From same die as No. 7. (R²)

9. 1786. Crosby's 1-C. Mailed and laureated bust facing right.

AUCTORI : VERMON :

Rev. Goddess of Liberty seated facing left, with pole and olive branch. (R³)

INDE • X • ET : LIB : 1786

This variety is familiarly known as the "baby head."

10. 1786. Crosby's 2—A. Mailed and laureated bust facing left.

VERMON : AUCTORI :

Rev. Goddess seated, facing left, with branch and pole.

(R⁴)

INDE : ⚔ ETLIB 1786

11. 1786. Crosby's 3—B. Mailed and laureated bust facing left.

VERMON : • AUCTORI

Rev. Liberty seated, facing left with branch and pole

(R⁴)

INDE : ✕ ETLIB : 1786

The extreme rarity attributed by Mr. Crosby to this variety (R⁶) is hardly justified, yet the few specimens found, whose devices and legends can all be plainly seen are extremely rare.

12. 1787. Crosby's 1—A. Mailed and laureated bust facing right.

VERMON AUCTORI

No berries on wreath.

Rev. Liberty seated, facing left, with branch and pole.

INDE ETLIB 1787

13. 1787. Crosby's 1—C. Mailed and laureated bust facing right.

VERMON AUCTORI

Three berries on wreath.

Rev. Britannia seated, facing left with branch and pole.

(R)

BRITAN NIA 1787

This reverse die is so badly worn, that the date does not show. Specimens of counterfeit British halfpence may readily be found showing this reverse in fine condition.

14. 1787. Crosby's 2—A. Mailed and laureated bust facing right.

VERMON • AUCTORI •

Rev. From same die as No. 12.

15. 1787. Crosby's 3—B. *Obv.* From same die as No. 11.

Rev. Liberty seated, facing left with branch and pole.

INDE : ✕ ETLIB : 1787

A bad break nearly obliterates the date.

(R⁶)

16. 1788. Crosby's 1—A. Mailed and laureated bust facing right.

VERMON AUCTORI

A equally distant from head and U.

Rev. Liberty seated, facing left with branch and pole.

(R²)

INDE ET LIB 1788

17. 1788. Crosby's 1—

Crosby gives three dies of his obv. 1 of 1788. Two of these are described in obverses 16 and 18 of this list. No specimen of the third die has been met with.

18. 1788. Crosby's 1—D. Mailed and laureated bust facing right.

VERMON AUCTORI

Λ much nearer U than to head.

Rev. Liberty seated, facing left with branch and pole. (R⁶)

* ET LIB * * INDE 1788

19. 1788. Crosby's 2—A. Mailed and laureated bust facing right.

VERMON • AUCTORI •

κ equally distant from period and head. ORI wide. Straight ends to ribbon bow.

Rev. Liberty facing left with branch and pole.

INDE ET LIB 1788

Branch hand points to right of D. Single line above date. (R³)

20. 1788. Crosby's 2—A. Mailed and laureated bust facing right.

VERMON • AUCTORI •

κ close to head and distant from period. Angular ends to ribbon bow. Small wart on bridge of nose.

Rev. From same die as No. 19.

21. 1788. Crosby's 2—A.

Obv. From the same die as No. 20.

Rev. Liberty facing left with branch and pole.

INDE ETLIB 1788

Branch hand points to upright of E. Single line above date. 88 light, touching line.

22. 1788. Crosby's 2—A. *Obv.* From the same die as No. 20.

Rev. Liberty seated facing left with branch and pole.

INDE ET LIB 1788

Branch hand points to right part of D. INDE wide. ET LIB close. Double line above date. 7 low.

23. 1788. Crosby's 2—A. *Obv.* From the same die as No. 20.

Rev. Liberty seated facing left with branch and pole.

INDE ETLIB 1788

Branch hand points to the left part of E. Double line above date. 88 high touching line.

24. 1788. Crosby's 3—A. Mailed and laureated bust facing right.

VERMON × AUCTORI ×

Rev. From same die as No. 16. (R³)

25. 1788. Crosby's 3—B. *Obv.* From the same die as No. 24.

Rev. Liberty seated, facing left with branch and pole. (R³)

INDE × ET • LIB × 1788

Branch hand points to upright of D. Single line above date. This reverse is from the same die as Connecticut 1788 No. 1—I.

26. 1788. Crosby's 3—B. *Obv.* From the same die as No. 24.

Rev. Liberty seated, facing left, with branch and pole.

INDE × ET • LIB × 1788

Branch hand points to upright of E. Double line above date, the two lines composing same not being parallel. (R⁶)

This variety of B is not listed by Mr. Crosby.

27. 1788. Crosby's 4—C. Mailed and laureated bust, facing right.

VERMON • AUCTORI *

Three berries on wreath.

Rev. Liberty seated, facing left, with branch and pole. (R²)

INDE * ET LIB * 1788

28. 1788. Crosby's 5—B. Mailed and laureated bust facing right.

VERMON * * AUCTORI

Rev. From the same die as No. 25. (R⁶)

29. 1788. Crosby's 6—B. Mailed and laureated bust facing right.

* VERMON * * AUCTORI *

Rev. From the same die as No. 25. (R⁵)

30. 1788. Crosby's page 372—A. Bust facing right.

VERMO N * AUCTORI

VERMO close, N distant. Inverted c in AUCTORI.

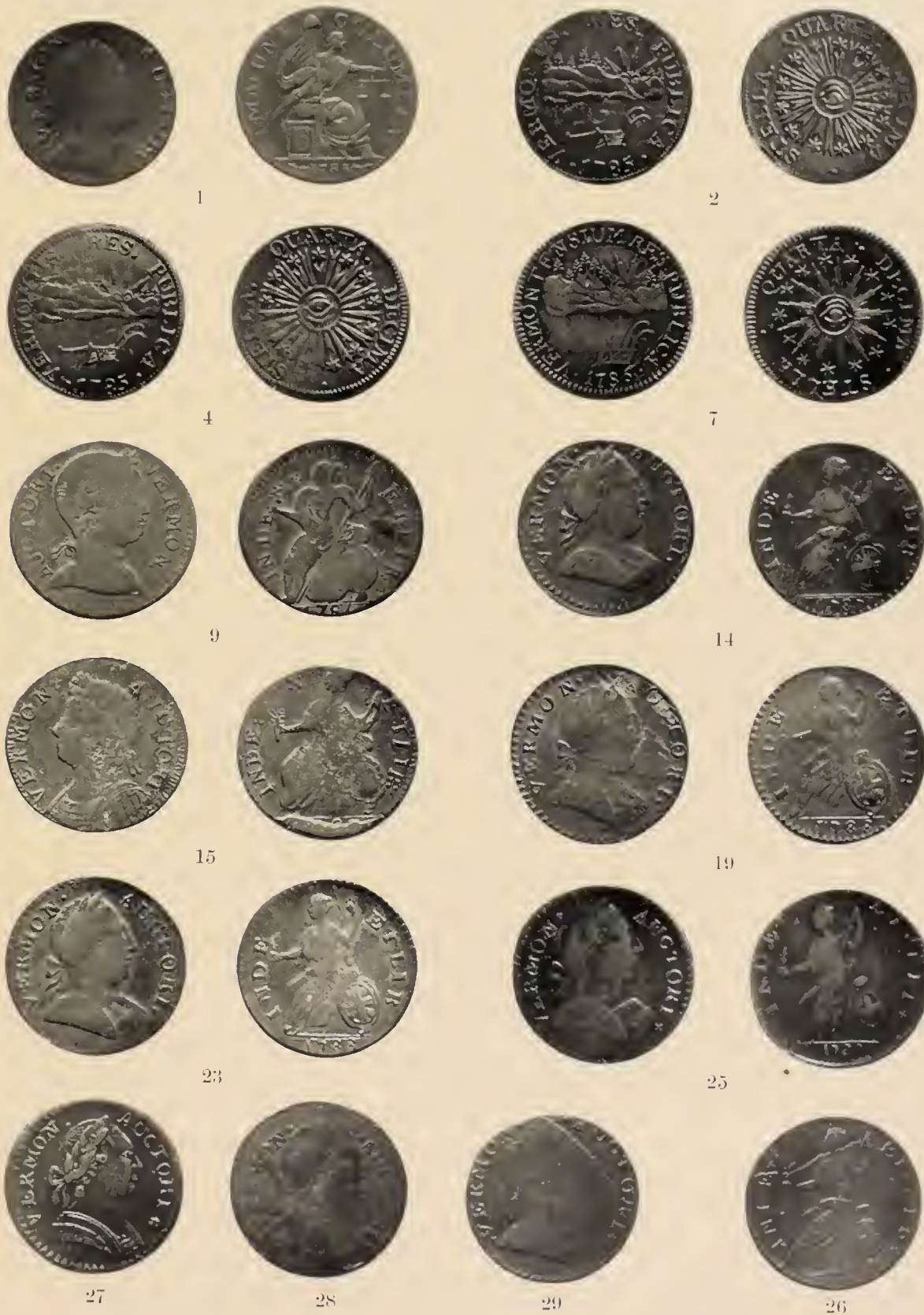
Rev. From the same die as No. 16. (R⁶)

31. 1788. Crosby's page 192—B. Mailed and laureated bust facing right.

GEORGIVS • III • REX •

Rev. From same die as No. 25. (R³)





VERMONT CENTS

1787 1¢ 1788 1¢

1-B ^{ANS. 35}
study from inside
no longer used

1-D

2a-F ^{alt. 6. N.S.}
H.N.S.

2-B

2b-A ^{60 ANS. purple}
^{60 ANS. black}

3-A

2b-C ^{VF ANS.}
^{EF "}

3-E

2b-E ^{Fine ANS.}

4-G

3-G ^{50, 60 ANS}
^{no purple 45 ANS.}

5-I†

6-A

4-C ^{60 ANS.}

7-M

4-D ^{55 ANS.}

8-C

4-J

9-M

5-I ^{Fine ANS.}

10-L

6-G ^{VF}

11-C

11-E

7-I† ⁵⁵

11-F

8-G ^{Fine ANS.}

11-G(?)

^{VF}
^{purple}

12-H

12-I

12-K

12-M

12-O

13-N

14-J

15-M

16-M

1787 1/2¢

1788 1/2¢

1-D ⁶⁰
^{ANS. (w/ink)}

1-A ^{ANS. 55}
⁴⁰

2-A ^{60 ANS.}

1-B ^{HTT}

3-A ^{60 ANS.}

55

50

4-B ^{65 ANS.}

50

4-C ^{55 ANS.}

50

5-A ^{65 ANS.}

6-A ^{60 ANS.}

6-D ^{35 ANS.}

Mass pattern (?) 1776

^{fine}
olive-green w. gold leaf
liberty. In ANS. held. very under
underneath.

Mass 1/2¢ 1776 3 shades
olive.

THE COPPER COINS OF MASSACHUSETTS

BY HILLYER RYDER

An act for the establishment of a mint in Massachusetts was passed on Oct. 17, 1786, and on May 2, 1787, Capt. Joshua Wetherle was appointed to it Master Workman. June 27, 1787, the Council designated the devices for the copper coin as follows: — “Advised that the device on the copper coin to be minted in this Commonwealth be the figure of an indian with a bow and arrow and a star on one side, with the word “Commonwealth,” the reverse a spread eagle with the words “of Massachusetts, A.D. 1787.” Most of the dies were made by Joseph Callender of Boston. Some were made by Jacob Perkins of Newburyport. These latter in the opinion of Mr. Crosby were those in which the letter S resembles the figure 8.

The coins of Massachusetts are of one type. Of the cents of 1787, eight obverse and nine reverse dies are found, of the half cents, six obverse and four reverse. Of the cents of 1788 fourteen obverse and fourteen reverse are known, and of the half cents, one obverse and two reverse dies. Forty-one specimens are required to show all the known combinations.

The size of the cent is the same as that of the United States copper cent, and the half cent likewise that of the United States half cent; also the cent and half cent differ in having the word CENT and words HALF CENT in the center of the reverse of each respectively. The cent weighs about 155 grains and the half cent, half as much.

OBVERSE

An Indian standing, facing left, holding in his right hand a bow, and in his left, an arrow, between the top of the bow and his head, is a five pointed star.

Legend: COMMON WEALTH

REVERSE

An eagle displayed, on his breast a shield argent, six pales gules, a chief azure; on the chief, the word CENT; in the right talon is an olive branch, and in the left a bundle of arrows.

Legend: MASSACHUSETTS.

In exergue, the date 1787 or 1788.

1787
Rev. F

CENTS, 1787. OBVERSES

Obv.	Rev.	Rarity	Top of bow	Bottom of bow	Ray of star, points	Butt of arrow under	Point of arrow below tunic, times length of arrow head
1	B	R ⁶	$\frac{3}{4}$ height of N	Left of foot	At chin	Middle of E	2
2 ^a	F	R ⁵	$\frac{1}{2}$ do.	Near foot	At collar	Upright of E	2
2 ^b	A, C, E, ⁶	C	Same die.	Recut, heavy	At collar	Upright of E	2
3	G	R	$\frac{1}{2}$ height of N	Near foot	At forehead	Upright of E	2
4	C, D, ⁶	R ²	$\frac{1}{2}$ do.	Left of foot	Below collar	Left part of E	2
5	I	R ⁶	$\frac{1}{3}$ do.	Left (?), light	At chin	Left part of E	1 $\frac{1}{2}$
6	G	R ²	$\frac{1}{2}$ do.	Left of foot	Above collar	Upright of E	1
7	H	R ⁶	$\frac{3}{4}$ do.	Left of foot	At mouth	Upright of E	1
8	G	R ⁶	$\frac{1}{2}$ do.	Left of foot <i>cut with before above collar</i>		Upright of E	1

CENTS, 1788. OBVERSES

Obv.	Rev.	Rarity	Top of bow	Bottom of bow	Ray of star, points	Butt of arrow under	Point of arrow below tunic, times length of arrow head
1	D	C	$\frac{3}{4}$ height of N	Near foot	Below collar	Upright of E	2
2	B	R ³	$\frac{3}{4}$ do.	Left of foot	Below chin	Right part of E	2 $\frac{1}{2}$
3	A, E	R	To top of N	Left of foot	At throat	Left part of E	2 $\frac{1}{2}$
4	G (I?)	R ²	do.	Left of foot	At nose	Right part of E	2
5	H	R ⁶	$\frac{1}{2}$ height of N		Below collar	Left part of E	2
6	N	R	$\frac{1}{4}$ do.	Left of foot	At collar	Upright of E	1 $\frac{1}{2}$
7	M	R	$\frac{3}{4}$ do.	Left of foot	Above collar	Left part of E	1 $\frac{1}{2}$
8	C	R ²	To top of N	Left of foot	At mouth	Upright of E	1 $\frac{1}{2}$
9	M	R ⁵	$\frac{1}{2}$ height of N	Near foot	At collar	Left part of E	1 $\frac{1}{4}$
10	L	C	$\frac{3}{4}$ do.	Left of foot	Above collar	Left part of E	1 $\frac{1}{2}$
11	C, E, F (6?)	C	To top of N	Close to foot	At chin	Left part of E	1 $\frac{1}{2}$
12	H, I, K, M, ⁶	C	$\frac{1}{2}$ height of N	Left of foot	Above collar	Upright of E	1
13	N	R ²	$\frac{1}{4}$ do.	Above, slightly to left of foot	At throat	Left part of E	1 $\frac{1}{2}$
14	J	R ⁶	$\frac{1}{3}$ do.	Touches foot	At throat	Upright of E	2

15 M R⁶ $\frac{3}{4}$ do. above foot at collar Upright of E 2
 Sold to Mrs. Norweb by N.N. in early 1958. Price slightly under \$100-

16 M R⁶ W. P. K. see desc.
 17 @ M R⁶ $\frac{1}{2}$ do. touches point of foot collar. upright of E 1 $\frac{1}{2}$
 18 @ M R⁶ $\frac{3}{4}$ N above left of foot just above collar. upright of E. 1 $\frac{1}{2}$

CENTS, 1787. REVERSES

Rev.	Obv.	Rarity	Upper stroke of dash	Leaves turn	Arrows barbed and not barbed	Barbed point ing below wing	Figures
A	2 ^b	C	Light	4 up	10—2	5	Medium
B	1	R ⁶	Light	4 straight	6—1	2	Wide. 77 high
C	2 ^b , 4	R ²	Light	5 up	8—5	5	Medium
D	4	R ²	Heavy	2 down, 3 up	8—5	3	Medium
E	2 ^b	R ⁶	Light	4 up, 1 down	7—3	3	Close. 7 high
F	2 ^a	R ⁵	Heavy	4 up, 1 down	5—4	0	87 close
G	2 ^b , 6	R	Single. Light	5 up	6—4	2	17 close
H	7	R ⁶	Single. Medium	2 down, 3 up	8—0	5	Wide. 7 high
I	5	R ⁶	Single. Heavy	5 up	7—(?)	2	Large. Heavy

J 4 R⁶ Heavy 5 up 9—6? 3 *Sloping down towards left*
CENTS, 1788. REVERSES 1787

Rev.	Obv.	Rarity	Upper stroke of dash	M and S from top of wing	Number of arrows	Figures	Form of S
A	3	R	Heavy	M $\frac{3}{4}$ below s below	7 close	First 8 low	8
B	2	R ³	Heavy	M $\frac{1}{4}$ below s $\frac{3}{4}$ below	8 close	Spread	8
C	8, 11	R	Heavy	M $\frac{1}{8}$ below s $\frac{1}{2}$ below	7 close	1 high	8
D	1	C	Heavy	M $\frac{2}{3}$ below s $\frac{1}{2}$ below	7 close	78 low	8
E	3, 11	C	Heavy	M $\frac{3}{4}$ below s above	7 close	78 low	8
F	11	R ⁵	Light	M below s above	8 close	1 high	8
G	4 (11-9)	R ²	Light	M $\frac{3}{4}$ below s $\frac{1}{8}$ above	8 close	88 wide	8
H	5, 12	R	Light	s $\frac{1}{2}$ below	10 medium	Light	S
I	12 (47) R ⁶	Light	Light	M below s $\frac{1}{2}$ above	6 medium	7 high	S
J	14	R ⁶	Single	M $\frac{5}{8}$ below s above	7 medium	1 distant	S
K	12	R	Light	M $\frac{1}{4}$ below s $\frac{1}{8}$ below	6 medium	1 small	S
L	10	C	Light	M $\frac{3}{4}$ below s $\frac{1}{2}$ below	8 medium	78 wide	S
M	7, 9, 12, 15	C	Light	M $\frac{1}{2}$ below s $\frac{1}{2}$ below	7 spread	1 low	S
N	6, 13	R	Light	M $\frac{5}{8}$ below s $\frac{1}{2}$ below	10 close	17 close	S
O	12	R ⁶	Heavy	M $\frac{1}{4}$ below s $\frac{1}{2}$ below	7 med.	88 close slightly to left 7-8 wide slightly	S

ALL 1787
1788
6-N-13
10-L
9-M-15
1-I-5
1-12-14-5
14-J

Parkins
88 A
B
C
D
E
F
G
3-A
2-B
8-C-11-E-3
1-D
4-G

indig up. in
ANS

*this left letters apparently
had - it.
assembled from four
by 4
putty feathered on upper side
and pointed.
all figures in date
cut sharp project.*

NOTES

1787 CENTS. OBVERSES

① The Indian has an aged face and a prominent chin. AL wide. 1—B (R⁶)
Hand cut or not? undertype of 1788 163-N Comm.

2a. The tops of the letters and the lower end of the bow, are very light. 2^a—F (R⁵)
the classical triangular arrows reverse.

2b. From the same die as 2a, the tops of the letters and the bottom of the bow being more heavily recut. 2^b—A, (C). 2^b—C (R⁵). 2^b—E (R⁶) R⁴
26-G w.p.k. Good, date.

3. A defect similar to a period before c and two smaller ones after lower part of H. 3—G (R)
had absolutely no trace of the period. No. 7074 type Collection coins. Now in Oschner Collection ex O.D.B.

4. The Indian has a bowed head. A tassel near the top of each boot. No grass near feet. 4—C (R) 4—D (R²) 4—J (E)
both 4 C, D common up to one up right of W

5. The Indian is stout and slightly bowed. 5—I (R⁶)

6. The Indian is stout, and stands erect as in Obverse 2, 3 and 7. EA wide. 6—G (R²)
Brands above feet.

7. The Indian is stout. The die is broken under MMO and again under ALT.

8. Bow touches ground - end even with bottom of foot. 7—H (R⁶)
Weak chin in low relief. 2 in 19 vs. 8-G
Wrist very thin - hand almost disconnected.

A. The "horned eagle" so called from a break over the eagle's head. Two small twigs on the branch. Sixth arrow from right touches tip of wing. Period under head of lowest arrow. 2^b—A, (C)
4 less perfect dies 4 seen.

B. Upper outside leaf touches tip of wing. Period large and near s. USE close. 1—B (R⁶)
F on leaves only, widely spaced. Counterfeit? Tail feathers come to point above date line.

C. Lowest leaf has slender, sharp point. Point of lowest arrow pierces period. ss and ET wide. 2^b—C (R⁵). 4—C (R)

D. Second outside leaf points to left upright of m. Fourth barbed arrow touches tip of wing. An arrow, not barbed, next to first or lowest one, points directly at period. 4—D (R²)

E. Point of upper leaf touches second feather in wing. Small twig on left of branch below claw. Period equally distant from s and point of first arrow. Many arrows joined. 2^b—E (R⁶)
later back 12

F. The only variety of cent or half cent in which the eagle grasps the arrows in his right talon and the olive branch in his left, and the only one in which the letters CENT are raised upon the shield instead of being incuse. The second and third leaves from the right of branch almost or quite touch the wing. MA close. 2^a—F (R⁵)
small date

① 2a-F
Good, damaged
exposed to
To O.D.B
then to Oschner
collection at \$500

Check plate:
Bow on Kellapins
feather from Nether
on Miller.

G. Third arrow long, piercing tip of wing and terminating slightly to right of same. Period under point of first arrow. 3—G (R), 6—G (R²)

8-6 R⁶ Ans.

H. Arrows with small and distinct heads. Fifth arrow points to tip of wing. Period large. Letters poorly spaced. CHU and SE wide. 7—H (R⁶)

I. All arrows with heads. Period large. 5—I (R⁶)

J. At least twelve arrows, small heads. A in MASSACHUSETTS recut. Many Numb, small tufts or leaflets on branch in addition to the leaves. *Ordinary*

1788 CENTS. OBVERSES

1. Right side of arrow head, double cut. Center point, resembling a period or button, at middle of lower part of belt. OM closer than ON. 1—D, (C)

2. Arrow head divided lengthwise. Ground does not extend to left of bottom of bow. WE wide. 2—B (R³)

3. Small die break between N and top of bow. E leans to left.

wide legend N about touch bow 3—A (R). 3—E (R)

4. Lower end of bow rests on left edge of the sod on which the Indian stands. CO close. 4—G (R²)

4-I (R⁶)!

5. See table. Specimen for description, not available. 5—H (R⁶)

6. Die break from top of bow, extending up and to right. A smaller break from right of bow, just under right of N. TH close. 6—N (R)

7. Lower end of bow terminates midway between toe and left edge of sod. MON wide. *same as above "16". better of bow recut.* 7—M (R)

W. small. 7-M in A.N.S.

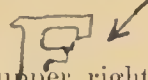
8. Lower end of bow terminates at left edge of sod and even with top of toe. Right leg defective at top of boot. OM wide. 8—C (R²)

9. Bow close to N. EA wide. *not apart* 9—M (R⁵)

Crosby's description differs. Check all 9's

Hydant-M. lower part of bowing dismantled from bow.

10. In fine specimens, a small break may be seen in upper right part of E. Letters evenly spaced. *Grass beneath feet probably disappears as we continue - R. Parker June 19, 1907* 10—L, (C)



11. Indian slim and tall. Minute die break connects upper right part of E with lower right part of same. MM close. AI wide. 11—C (R). 11—E, (C). 11—F (R⁵)

N almost touches bow

Backlund 797 "11-6"

12. Three folds of tunic in front of Indian's left leg and two folds in front of his right. EA wide. 12—H (R). 12—I (R⁵). 12—K (R). 12—M, (C)

13. An obverse not listed by Crosby. Bottom of bow terminates in a sharp point not touching the ground. Comparing it with Obv. 6, the other obverse found with N: MON is closer, bow is farther from N and the arrow head farther from leg than in Obv. 6. CO wide. 13—N (R²)

14. This obverse is not listed by Crosby. The Indian is stout and stands erect. A small tuft of grass to the right and two small tufts to the left of the Indian and three

bow ends above foot above to the left is the goal

Note: check Crosby description of obv. 9.

WPK spec is EF ex. bowl.

W.P. Keller Amby "9-M": 1 ray of star points at eyebrow, another at collar.

butt of arrow under archer's left of E.

16 -> Break from under things E extending to back of Indian's head (this is not certain - may be plain defect) Lower part of bowing weak - bottom of bow recut (strong & sturdy there bow & legend it giving this specimen). Left foot of W above right foot of W. W. small. Arrow x length = 1 1/4

obverse C is plain - m C

15. M 16. M

14—J (\mathbb{R}^6)

REVERSES

3—A (R)

2—B (\mathbb{R}^3)
$$8-C(R^2), \quad 11-C(R)$$

1—D. (C)

3—E (R), 11—E, (C)

11—F (R⁵)

11-6 R² 4—G (R²)

11-6 R² 4—G (R²)

$$(4-I)(K^6)! \quad 12-I \quad (R^5)$$
14—J (R⁶)

12—K (R)

10—L, (C)

10—L, (C)

1

277

butts, rock

which is closer to date line - bottom of branch (B) or
 know butts (A) or equal (AB)?

check all
 M. arrows
 pointing good
 for new varieties

THE COPPER COINS OF MASSACHUSETTS

75

M. The arrows show ten butts, the seventh and ninth being shorter than the others. The point of fourth arrow touches lowest feather, above the tip. Period small, and nearest to point of first arrow, and equally distant from point of second arrow and s.

Date: 1 low. Bottom of 1 and upper left of 1 indistinct.
 top of 7 almost down to right. 1st & closest to date line
 Upper stroke of dash very delicate.

7—M (R). 9—M (R⁵). 12—M, (C)

10—M.

15—M R⁶

N. The only variety without a period after s. A minute die break issues from back of eagle's head, level with eye.

6—N (R). 13—N (R²)

Top of bottom
 of branch
 transverse
 as left.
 Top of branch
 does not
 touch feathers.

O.K

HALF CENTS, 1787. OBVERSES

Obv.	Rev.	Rarity	Arrow head		One ray of star points	Butt of arrow under	Grass
1	D	R ⁴	Small.	Below tunic	At collar	Middle of w	None
2	A	R ⁸	Large.	Below tunic	At eyebrow	Right foot of w	Thin
3	A	R ⁵	Small.	Below tunic	At collar	Between w and e	Thicker at right
4	B, C	C	Small.	Below tunic	At mouth	Left part of e	Very thin
5	A	R ²	Large.	Half below tunic	Above collar	Right foot of w	Light
6	A, D	R ⁵	Large.	Half below tunic	At throat	Between w and e	High. Light

HALF CENTS, 1787. REVERSES

Rev.	Obv.	Rarity	Dash	Outer leaves turn	Barbed arrows	Below wing	Figures
A	2, 3, 5, 6	R	Double	Up	Five (?) medium	Two	Wide, medium
B	4	R ⁵	Double	Down	Six, spread	Four	Medium, heavy
C	4	C	Single	Up	Seven, spread	Two	Close, heavy
D	1, 6	R ²	Single	Up	Eight (?), close	Three	Wide, light

HALF CENTS, 1788. OBVERSE

Obv.	Rev.	Rarity	One ray of Star points		Butt of arrow under	Grass
1	A, B	R	At nose		Left part of e	Very light

HALF CENTS, 1788. REVERSES

Rev.	Obv.	Rarity	Outer leaves	Barbed arrows	Pointing below wing	Dash	Figures
A	1	R ⁶	Nearly straight	Four	One	Sharp ends	88 high
B	1	R	Turn up	Five	One	Blunt ends	Last 8 high

1787 HALF CENTS. OBVERSES

1. Both arms of the Indian are small at the elbows. Arrow is in line with the first stroke of w. Right leg defective at knee, and just above top of boot. 1—D (R⁴)

2. Three spears of grass to left of bow, three to right, three between feet and three to right of Indian. Letters well and closely spaced except co which is slightly wide. Die break inside of right leg. 2—A (R³)

3. The arrow is about in line with the third stroke of w. The arrow head is small and without point. Body is defective, from under right elbow to belt. ON wide.

Note distance of H from body

3—A (R⁵)

4. The arrow joins tunic and E. Bow is midway between c and Indian. Die break over right foot.

4—B (R⁵). 4—C, (C)

5. The arrow is in line with the third stroke of the w as in Obv. 3, but differs from it by having a large pointed arrow head. Die break inside of left leg at knee.

5—A (R²)

6. The arrow joins tunic and E as in Obv. 4, but differs from it, the bow being nearer to the Indian than to c. Die break from left top of E to border, over right top of w. *also large break below left foot. Resumes from A to D*

6—A (R⁶). 6—D (R⁵)

REVERSES

A. A die break connects stem of branch with eagle's tail. Break, resembling a period, between arrows and eagle's leg. Point of first arrow midway between the tip of eagle's wing and period.

2—A (R³). 3—A (R⁵). 5—A (R³). 6—A (R⁶)

B. The second arrow points to period, nearly touching it. Fourth arrow touches tip of wing. A small die break in front of eagle's beak or possibly a double cutting of it. US and ET wide. *Small thin fine break left side of T. above.*

4—B (R⁵)

C. The second leaf touches the lowest feather in wing. The top leaf touches the tip of the third feather. Point of first arrow touches period. Two arrows touch wing. The longest arrow points to the tip of third feather. *last T in Mon. Top. of T. del. break*

4—C, (C)

D. The branch has in addition to the usual four leaves, three small twigs, one to left of and near the top leaf, one to right of and below top leaf and the third to right of the branch, below the leaves and touching the eagle's claw. MA close.

1—D (R⁴). 6—D (R⁵)

1788 HALF CENTS. OBVERSES

1. The arrow head touches the tunic. Letters regularly spaced.

no comb in A (A)

1—A (R⁶). 1—B (R)

REVERSES

A. Counting all arrows, barbed and otherwise, six are shown above claw. Five butts only show below claw. AC close. 1788 *R⁷ Sheldon*

1—A (R⁶)

B. Counting all arrows, barbed and otherwise, seven are shown above claw. Eight butts show below claw. AC wide. 1788

1—B (R)

In all varieties of the half cents of 1787, the branch has four leaves; in both varieties of 1788 it has five.

B-4-C
1-D-6-A-12
15

*break from edge
along left side
head & to
with 2 feet
more on
left.*



5 from 8

*many with
B-damaged
C O.K.
no other
die breaks.*

*2-A
new
break
from tail
of stem to
edge of
die break.*

*U in
above
vent
FI*

SC

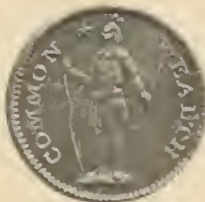


2a—F

C

E

US close.



7—II

3—A



diff. from
closer

9—M

4—B



12—I

6—D



13

N

6

A



14—J

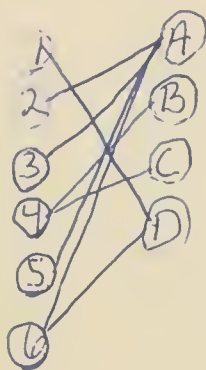
B

1

Dec interlocking

1787 $\frac{1}{2}$ d

Obs Rev

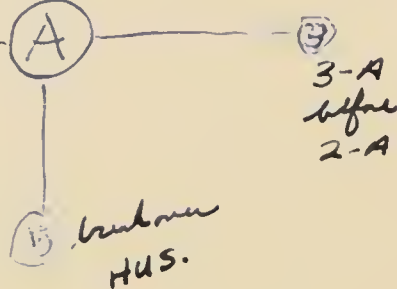


Study before 6-D
rev. D alone
discovered with obs 1
then with obs. 6.

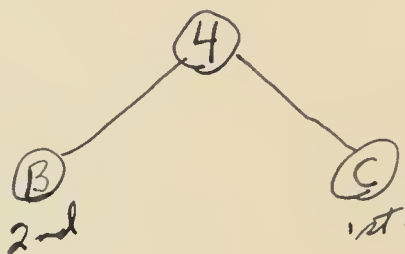
Study before 2

dis. had
fun → HEALTH
COMMONWEALTH
E. S. S. S. S.

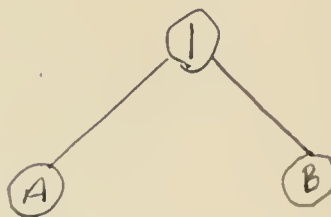
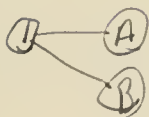
Study before 6
after 6.



6-A
study
before
6-D



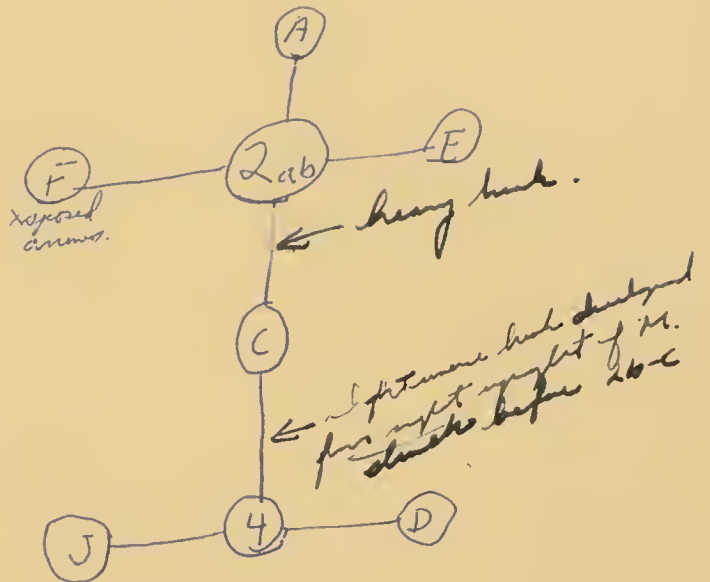
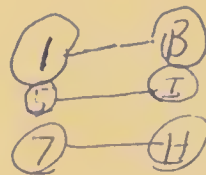
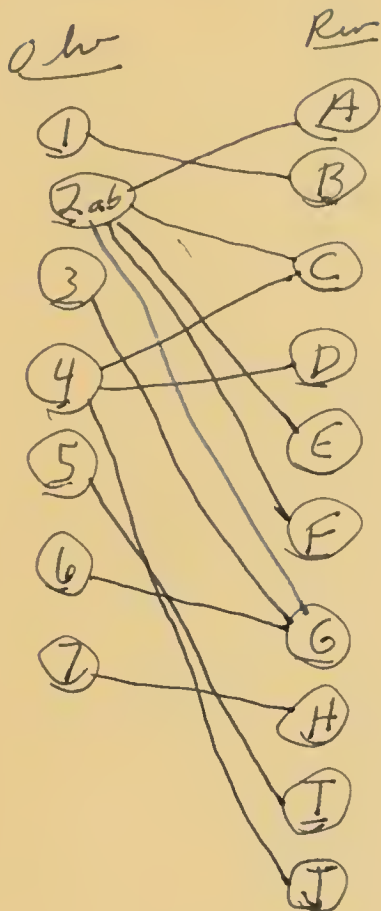
1788 $\frac{1}{2}$ d



entire bottom of E
on reverse
filled in
as a belt.

E

1787 $\frac{1}{4}$



abuses. 4
shows not makes
at right of bar
near bottom 2
when combined
with rev. G.

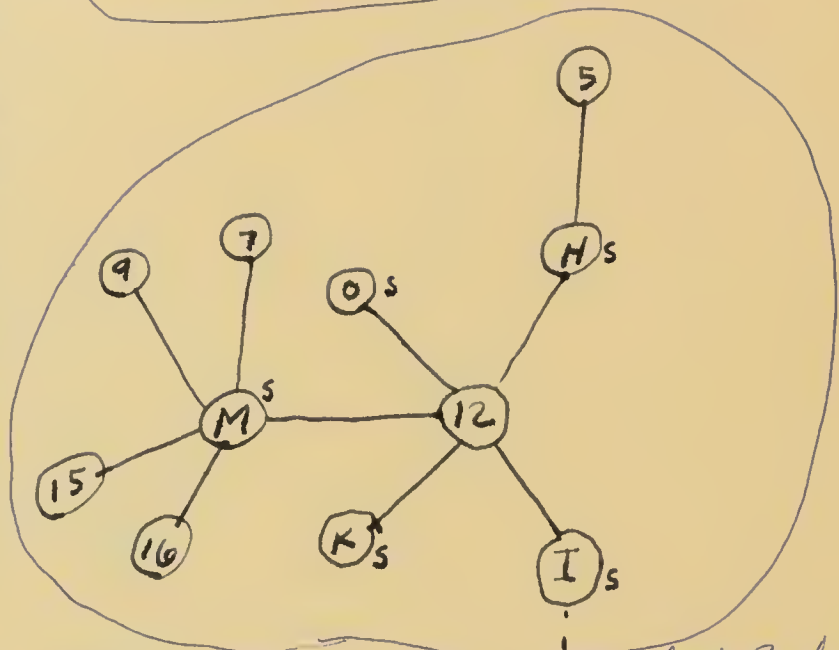
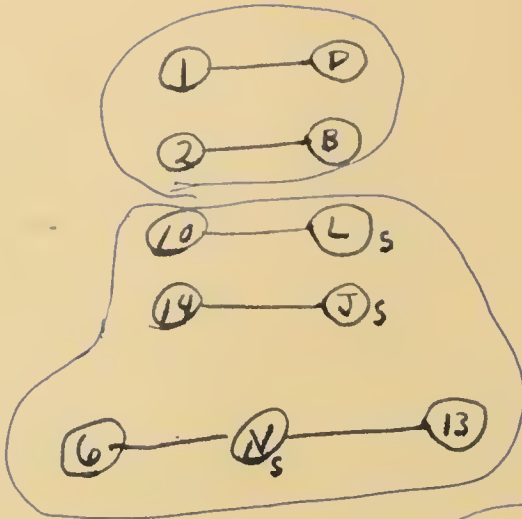
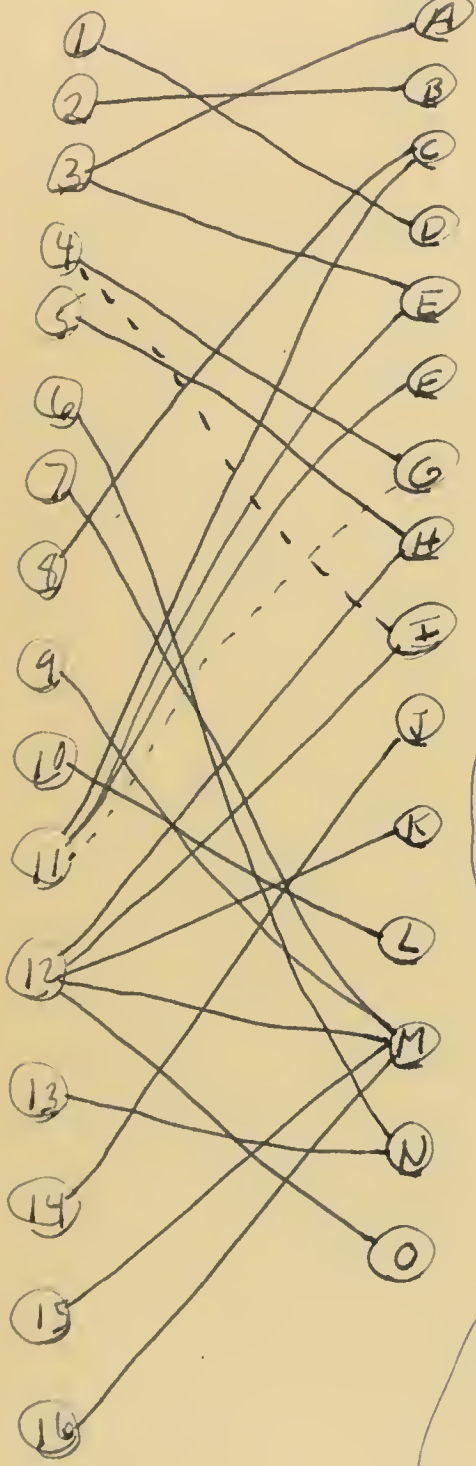
When with rev. D
corrosion not
present. D sticks first.

~~Abuses. 2b~~
rev. A. light corrosion under N.
A } light link for left upshot
E } of + in all near
WEAL D

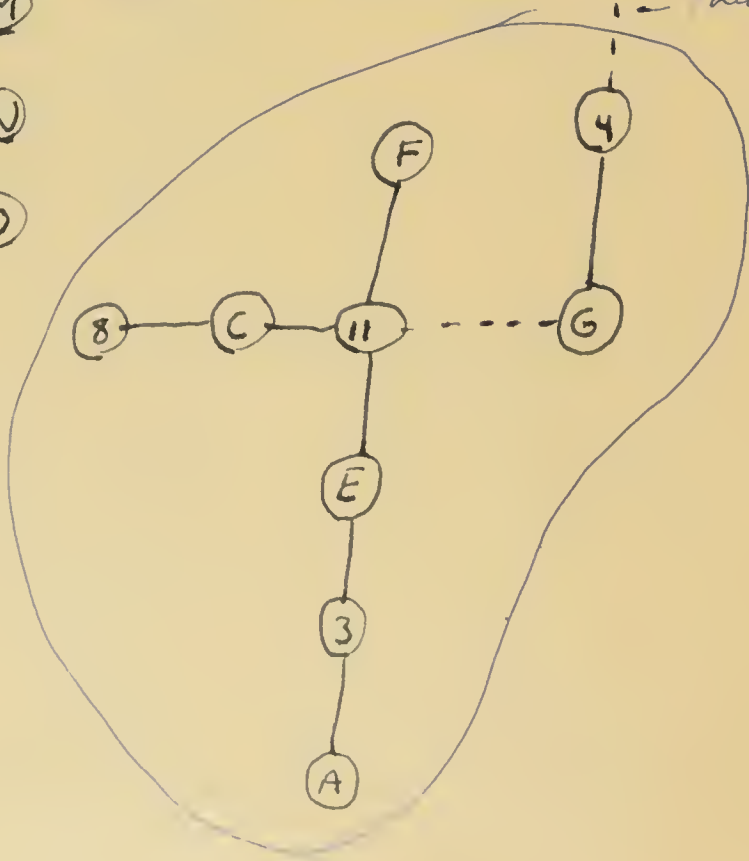
1788 14.

Obv

Rev



back Zerkwell
sok.



1786 cents

Revenue MS.

New obverse in rows.

(a) bow nearly touches base of N.
but the sides of both same
size. Bowing ends parallel
to bow & close to it.

1 ray above head
another at collar.
Inches left head to body
arrow has small vent.

(b) bow more distinct from N.

1 ray just above collar

1 ray at going of 2 feathers.

Right back of arrow longer than

left. left point higher than right point.

Pydon 9-M

2 in A.N.S.

lower part of bowing disconnected from
bow. ~~the~~ Right part of L. upright vent.

American Numismatic Society



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